



**Ref. no.:** ATDI DIT / 1 / 2020

**Date:** Budapest, February 20,  
2020

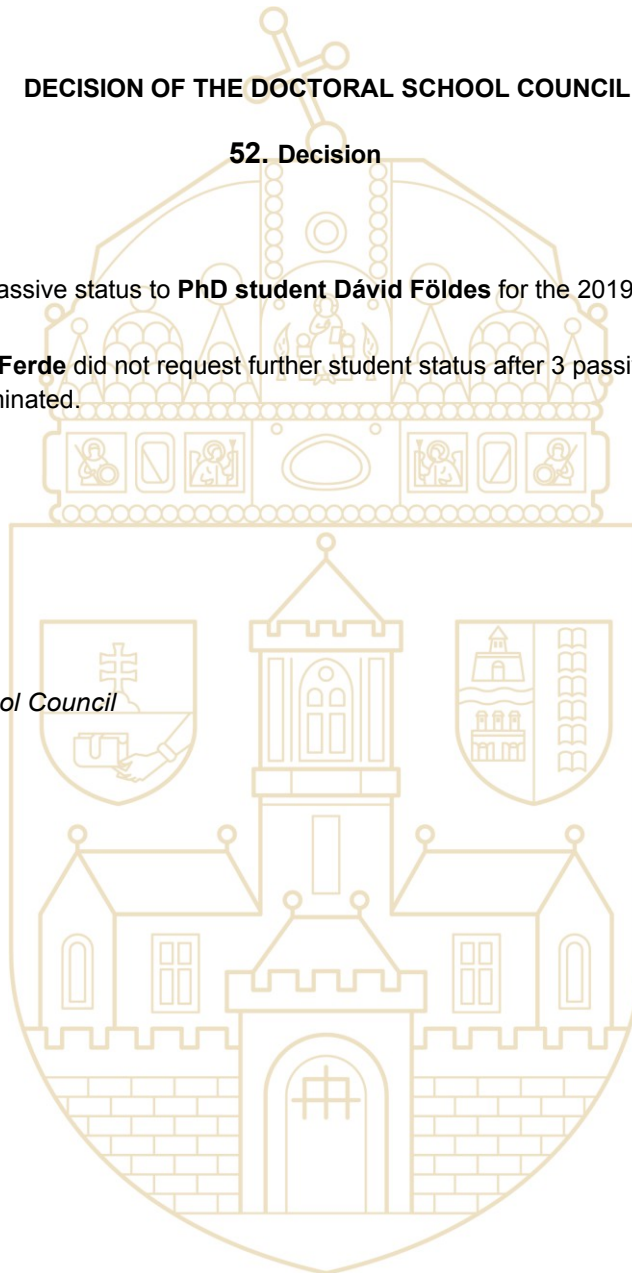
**Subject:** Passive status of D. Földes, dismissal of Gy. Ferde

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 52. Decision

1. The Council grants passive status to **PhD student Dávid Földes** for the 2019/2020/2 semester.
2. **PhD student Gyula Ferde** did not request further student status after 3 passive semesters, therefore his student status is terminated.

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council





Ref. no.: BGK-ATDI DIT 1086/2/2020

Date: Budapest, May 6, 2020

**Subject:** naturalization, degree acquisition, admission, new instructor, new topic, EFOP application, complex exam

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 53. Decision

1. The Council recommends that **Katalin Balázsi's PhD degree** awarded by the Slovak University of Technology **be recognized**.
2. The Council recommends **initiating the PhD degree award procedure for Eliza Angeli:**

*Thesis title:* Solvent retention of cellulose-based packaging materials

*Supervisors:* Rozália Szentgyörgyvölgyi PhD, associate professor, ÓE Szilvia Klébert PhD, senior research fellow, ELKH TTK

#### Examination

*Chair of the committee:* Judit Borsa, CSc, professor emerita, ÓE

*Committee members:* Zoltán Juvancz, DSc, retired university professor  
László Koltai PhD habilitated associate professor, ÓE

#### Subjects:

1. Cellulose Chemistry (main subject, in Russian, Judit Borsa)
2. Cellulose and Paper Production (minor subject, László Koltai)
3. Chromatography (minor subject, Zoltán Juvancz)

#### Workplace Discussion (in Hungarian)

*Location:* ÓE RKK, 1034 Budapest, Doberdó u. 6.

*Opponents:* László Koltai, PhD, habilitated associate professor, ÓE  
Erzsébet Novotny, habilitated PhD, associate professor, ANY Biztonsági Nyomda Nyrt.

#### Public defense (in Hungarian)

*Location:* ÓE RKK, 1034 Budapest, Doberdó u. 6.

*Opponents:* László Koltai, PhD, habilitated associate professor, ÓE  
Tünde Tóth PhD, laboratory manager, ELKH EK, associate professor, BME

*Chair:* Judit Borsa, CSc, professor emerita, ÓE

*Deputy Chair:* Mrs. László Telegdi, DSc, Professor Emerita, ÓE

*Secretary:* Erzsébet Novotny PhD habilitated associate professor, ANY Security Printing Company Ltd.

*Deputy Chair/Secretary:* Lászlóné Telegdi, DSc, Professor Emerita, ÓE

*Member:* Zoltán Juvancz, DSc, retired university professor

Lívia Kokasné Palicska PhD, chief engineer, Innovatext Textile Industry Technical Development and Testing Institute Ltd.

3. The Council grants the absolutorium (287 credits) to **Ágoston Csaba Horváth PhD**, who is in his 8th semester of training.



4. The Council recommends the public defense of **Ágoston Csaba Horváth** PhD as follows:

*Title of the dissertation:* Investigation of optodes for infrared stimulation in the deep tissue  
Investigation of deep-brain infrared optodes

*Supervisor:* Zoltán Fekete, PhD, Senior Research Fellow, ELKH MFA

**Workplace discussion** (in Hungarian)

*Location:* ELKH MFA

*Opponents:* Marcell Kiss, PhD, postdoctoral researcher, EPFL (Ecole polytechnique fédérale de Lausanne), Swiss Federal Institute of Technology in Lausanne  
Tamás Tompa PhD, Research Fellow, Femtonics Kft

**Public defense** (in Hungarian)

*Location:* ÓE RKK, 1034 Budapest, Doberdó u. 6.

*Opponents:* Tamás Tompa PhD research associate, Femtonics Kft  
Hunor Sántha PhD Associate Professor, BME ETT

*Chair:* Zsolt József Horváth DSc Professor Emeritus, ÓE *Reserve Chair,*  
*Secretary:* Ákos Nemcsics DSc University Professor, ÓE *Member:* Gábor Harsányi DSc University Professor, BME VIK ETT

Ákos Jobbágy, DSc, university professor, BME VIK MIT

Ervin Róbert Gyurcsányi PhD, associate professor, BME VBK SzAT

*Reserve:* Attila Bonyár PhD, associate professor, BME ETT  
Zoltán Somogyvári PhD, ELKH Wigner Research Centre for Physics  
Gergely Márton PhD, research fellow, ELKH TTK

5. The Council recommends the admission of the following applicants to the doctoral program starting in September 2020

**Ola Saleh MAHDI** (Iraq) self-funded doctoral program Supervisor:  
Tünde Kovács, PhD, Associate Professor, ÓE BGK

**Maroua Houria KAOU** (Algeria) SH scholarship doctoral program Supervisors:  
Csaba Balázs, Katalin Balázs

6. The Council admits **Péter Nemes-Incze PhD**, research fellow (ELKH EK MFA), to the teaching staff of the Doctoral School

7. The Council supplements the Training Plan with the following topics:

Deformation mechanisms and performance of ECAP processed Al alloys and composites (Viktor Gonda)

Creating "twistrionic" devices with layered materials (Péter Nemes-Incze)

8. The Council recommends the following topics for the **EFOP student scholarship competition**:



Development of an impedance meter for dental applications (supervisor: Gergely Márton)  
Injection molding of polymer microfluidic structures (supervisor: Péter Fűrjes) Thermal characteristics of base papers with different compositions (supervisor: László Koltai)

9. The Council recommends the following committee **for the complex examination:**

**Nikolett Hegedűs**

Chair of the committee: Lászlóné Telegdi DSc professor emerita, ÓE  
Committee members: János Dusza, DSc, university professor, ÓE  
Péter Petrik, DSc, Laboratory Manager, ELKH EK  
Erzsébet Takács, DSc, emeritus research professor, ELKH EK

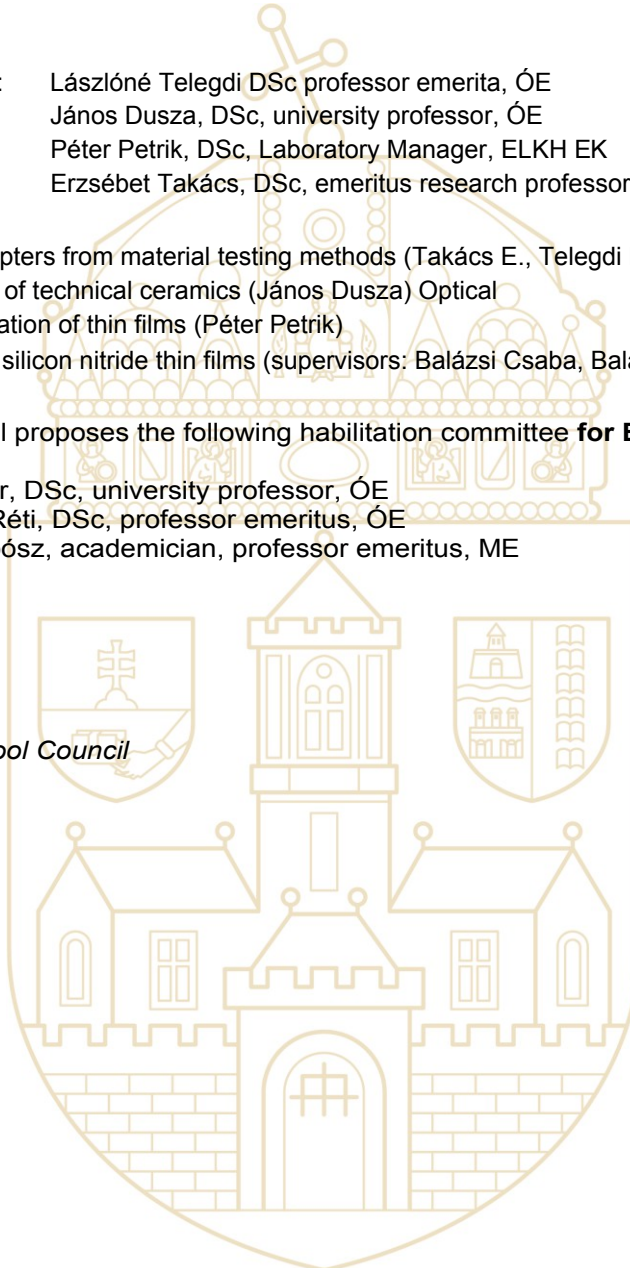
Subjects: Selected chapters from material testing methods (Takács E., Telegdi L.)  
Technology of technical ceramics (János Dusza) Optical  
characterization of thin films (Péter Petrik)

Topic: Development of silicon nitride thin films (supervisors: Balázs Csaba, Balázs Katalin)

10. The Council proposes the following habilitation committee **for Enikő Bitay's habilitation procedure:**

Chair: Mihály Réger, DSc, university professor, ÓE  
Members: Tamás Réti, DSc, professor emeritus, ÓE  
András Roósz, academician, professor emeritus, ME

Dr. Mihály Réger  
*university professor*  
*Chair of the Doctoral School Council*





Ref. no.: BGK-ATDI DIT1086/3/2020  
Date: Budapest, 08.06.2020

**Subject:** proposal for degree, admissions, final examination, degree award, habilitation,

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 54. Decision

1. The Council recommends that the University Doctoral and Habilitation Council award the PhD degree to **Péter Varga** with a "**Summa cum laude**" rating.
2. The Council recommends that the University Doctoral and Habilitation Council award the PhD degree to **János Radó** with a "**Summa cum laude**" rating.
3. The Council confirms the following proposals for the award of Stipendium Hungaricum doctoral scholarships for the doctoral program starting in September 2020:

Name	Score	Supervisor
Davood Azadrooy (Iran)	80	Mihály Réger
Varun Vashist (India)	100	Mihály Réger
Hasan Nazha (Syria)	56	Mihály Réger
Zoubeida Taha (Syria)	10	Andrea Major
Mohammed Mudabbiruddin		
Mohammeed (India)	100	László Pokorádi

4. The Council grants absolution to PhD student Lamnini Soukaina, who is in her 8th semester of training.

5. The Council recommends **Lamnini Soukaina's** public PhD defense as follows: Thesis title:

Production, structural analysis, and microscopy of modern zirconium oxide-based ceramics and composites

structural analysis and microscopy

**Supervisors:**

Csaba Balázsi, DSc, scientific advisor, EK MFA  
Katalin Balázsi PhD, senior research fellow, laboratory manager, EK MFA

#### Workplace discussion

**Location:** EK MFA

**Opponents:**

Judith Mihály PhD Senior Research Fellow, TTK AKI Zsolt Endre  
Horváth DSc Scientific Advisor, EK MFA



**Public defense**

*Location:* ÓE RKK, 1034 Budapest, Doberdó u. 6.

*Opponents:* Judith Mihály, PhD, senior research fellow, TTK AKI Péter  
Baumli, PhD, associate professor, ME

*Chair:* János Dusza, DSc, Professor, ÓE

*Secretary:* Péter Pinke, PhD, Associate Professor, ÓE

*Members:* Lászlóné Telegdi DSc Professor Emerita, ÓE, reserve chair Zoltán  
Hózer DSc, MTA EK  
Tünde Kovács PhD, associate professor, reserve secretary

*Reserve member:* Ibolya Zsoldos, DSc, university professor, SZE  
Zoltán Gácsi, DSc, university professor, ME  
Mihály Réger, DSc, university professor, ÓE

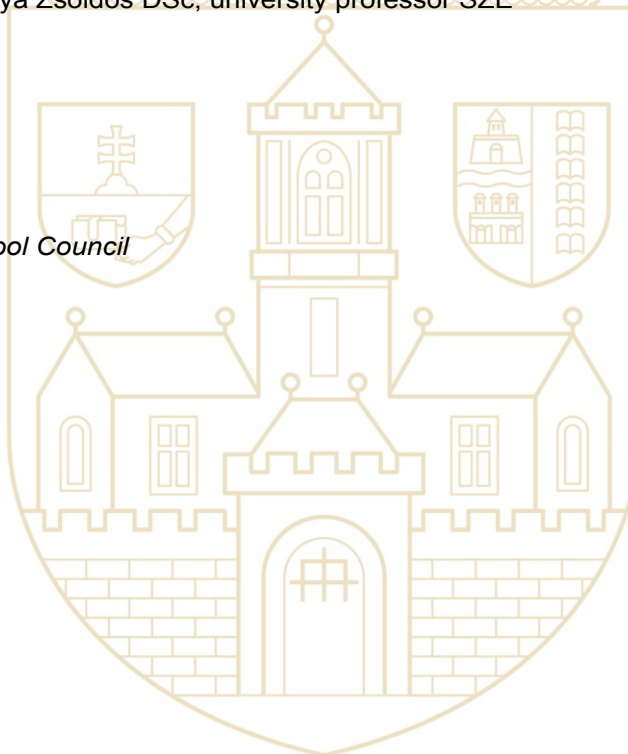
6. The Council recommends the following professional review committee **for Enikő Bitay's habilitation procedure:**

*Chair:* Mihály Réger, DSc, university professor, ÓE

*Secretary:* László Pokorádi PhD, university professor

*Members:* Tamás Réti, DSc, professor emeritus, ÓE  
András Roósz, academician, professor emeritus, ME János  
Dusza, DSc, ÓE  
Zoltán Rajnai PhD, university professor ÓE  
Ibolya Zsoldos DSc, university professor SZE

Dr. Mihály Réger  
*University Professor*  
*Chair of the Doctoral School Council*





Ref. no.: ÓE BGK-ATDI DIT 1086/4/2020  
Date: Budapest, 06.08.2020

**Subject:** Proposal for degree, new lecturer, new topic, new subject

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 55. Decision

9. The Council recommends that the University Doctoral and Habilitation Council award the PhD degree to **Soukaina LAMNINI** with a "**Summa cum laude**" rating.
10. The Council admits Dr. László Pokorádi, university professor, to the teaching staff of the Doctoral School.
11. The Council includes the following research topics in the training plan:
  - a) Development of calcium phosphate-based bioceramics using various deposition technologies (Csaba Balázsi, Katalin Balázsi)
  - b) Mathematical model decision-making procedures in management of operations (László Pokorádi)
12. The Council shall include the following subjects in the training plan:
  - a) Model testing of technical systems (László Pokorádi)
  - b) Model testing of operational processes (László Pokorádi)

Dr. Mihály Réger,  
university professor  
Chair of the Doctoral School Council



Ref. No. ÓE BGK ATDI DIT 1086/5/2020  
Date: Budapest, October 8, 2020

**Subject:** New core members, extension of the deadline for submitting final theses, new subject

**DECISION OF THE DOCTORAL SCHOOL COUNCIL**  
**56. Decision**

1. The Council recommends **Dr. Marianna Halász, university professor**, and **Dr. Endre Ruzinkó, university professor**, as permanent members.
2. The Council grants **Dávid Földes** an absolutorium with 215 credits.
3. The Council extends the deadline for the submission of the dissertation of Gábor Ladányi, an individual preparatory student, until September 30, 2021.
4. The Council adds the following subject to the training plan: Nuclear Reactor Materials (Zoltán Hózer)
5. The Council accepts the following subject as part of the doctoral program:  
Nuclear and Reactor Physics Fundamentals  
(5 credits, Máté Szieberth, Budapest University of Technology and Economics)

Dr. Mihály Réger, university  
professor  
Chair of the Doctoral School Council



Ref. no.: ÓE BGK ATDIT 1086/2020

Date: Budapest, November 30, 2020

**Subject:** Absolutorium, defense, complex exam, new topic, budget

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 57. Decision

13. The Council grants **Gábor Orbán** an absolutorium with 302 credits.
14. The Council grants **Larbi EDDAIF** an absolutorium with 457 credits.
15. The Council grants **Awais QADIR** an absolutorium with 333 credits.
16. The Council recommends **Gábor Orbán's** public PhD defense as follows:

*Title of the thesis:*

Development of novel measurement methods for neuroscientific research and dentistry  
Development of novel measurement methods for neuroscientific research and dentistry *Supervisor:* Márton Gergely PhD, research fellow, ELKH TTK

**Workplace debate** (in Hungarian) *Location:*  
ELKH TTK

*Opponents:* Andrea Csikósné Pap, PhD, associate professor, ÓE  
Gábor Juhász PhD, research fellow, Femtonics Kft

**Public defense** (in Hungarian)

*Location:* ÓE BGK Council Room (1081 Budapest, Népszínház utca 8.), or online (BBB)

*Chair:* Zsolt József Horváth, DSc, professor emeritus, ÓE

*Reserve chair:* Ákos Nemcsics, DSc, university professor, ÓE

*Opponents:* Andrea Csikósné Pap PhD, associate professor, ÓE Zoltán Somogyvári PhD, ELKH Wigner FK RMI

*Reserve:* Péter Fűrjes PhD, senior research fellow, laboratory manager, ELKH EK MFA

*Secretary:* Tünde Anna Kovács PhD, associate professor, ÓE

*Member:* Ákos Nemcsics, DSc, university professor, ÓE

Zsófia Baji PhD, Research Fellow, ELKH EK MFA György Bognár

PhD, Associate Professor, BME VIK EET

*Reserve:* Péter Fűrjes, PhD, senior research fellow, laboratory manager, ELKH EK MFA Zoltán

Szabó, PhD, research fellow, ELKH EK MFA

Ákos Szlávecz, PhD, associate professor, BME VIK IIT



17. The Council recommends **Larbi EDDAIF's** public PhD defense as follows:

*Title of the dissertation:*

Calix(4)resorcinarene based piezogravimetric chemosensors for the metal ions monitoring in aqueous solutions  
*Supervisor:* Shaban Abdul CSc Senior Research Fellow, ELKH TTK

**Workplace discussion**

*Location:* ELKH TTK

*Opponents:* Sándor Pekker, DSc, scientific advisor, ELKH Wigner FKK, research professor Zoltán May, PhD, senior research fellow, ELKH TTK

**Public defense**

*Location:* ÓE BGK Council Room (1081 Budapest, Népszínház utca 8.), or online (BBB)

*Chair:* Judit Borsa CSc professor emerita, ÓE

*Reserve:* Endre Ruszinkó, DSc, university professor, ÓE

*Opponents:* Sándor Pekker, DSc, scientific advisor, ELKH Wigner FKK, research professor, ÓE Lajos Höfler, PhD, associate professor, BME VBK SzKAT

*Reserve:* Viola Horváth PhD, associate professor, BME VBK Éva Kiss DSc, university professor, ELTE

*Secretary:* Ágota Horváthné Drégelyi-Kiss PhD, associate professor, ÓE

*Tag:* Gergő Gyulai PhD research fellow, ELTE Marianna Halász CSc university professor, ÓE Viola Horváth PhD associate professor, BME VBK

*Reserve:* Erzsébet Takács, DSc, emeritus research professor, ELKH EK

18. The Council recommends **Awais QADIR's** public PhD defense as follows:

*Title of the dissertation:*

Silicon Nitride Composites with the addition of Carbon Nanofillers

*Supervisors:* János Dusza, DSc, university professor, ÓE Péter Pinke, PhD, associate professor, ÓE

**Workplace discussion**

*Location:* ÓE BGK Council Room (1081 Budapest, Népszínház utca 8.), or online (BBB)

*Opponents:* Endre Ruszinkó, DSc, university professor, ÓE BGK

Mária Marosné Berkes, PhD, associate professor, ME GEIK ATI

*Reserve:* Zoltán Károly PhD, senior research fellow, laboratory manager, ELKH TTK Szilvia Klébert, senior research fellow PhD, ELKH TTK



### Public defense

*Location:* ÓE BGK Council Room (1081 Budapest, Népszínház utca 8.), or online (BBB)

*Chair:* Mihály Réger, DSc, university professor, ÓE

*Reserve:* Tamás Réti, DSc, professor emeritus, ÓE

*Opponents:* János Szépvölgyi, DSc, emeritus research professor, ELKH TTK Mária Marosné Berkes, PhD, associate professor, ME GEIK ATI

*Reserve:* Szilvia Klébert PhD, senior research fellow, ELKH TTK

*Secretary:* Richárd Horváth PhD, associate professor, ÓE

*Tag:* Imre Orbulov, DSc, university professor, BME GK ATT

Zoltán Károly PhD senior research fellow, laboratory manager, ELKH TTK

Erzsébet Takács DSc emeritus research professor, EK

*Reserve:* Szilvia Klébert PhD senior research fellow, ELKH TTK

:  
Endre Ruzsinkó, DSc, university professor, ÓE BGK

19. The Council recommends the public defense of **Erzsébet Perezné Feró's** PhD thesis as follows  
:

*Title of the dissertation:*

High-temperature oxidation of zirconium five-component alloys used in nuclear power plants

*Supervisor:* Zoltán Hózer, DSc, scientific advisor, laboratory manager, ELKH EK

### Workplace discussion

*Location:* ELKH EK

*Opponents:* Katalin Kulacsy PhD, ELKH EK

Judit Telegdi, DSc, professor emerita, ÓE

### Public defense

*Location:* ÓE BGK Council Room (1081 Budapest, Népszínház utca 8.), or online (BBB)

*Chair:* Mihály Réger, DSc, university professor, ÓE

*Reserve:* Judit Borsa, CSc, professor emerita, ÓE

*Opponents:* Judit Telegdi, DSc, professor emerita, ÓE

Péter Petrik, DSc, scientific advisor, ELKH EK

*Reserve:* Attila Imre, DSc, scientific advisor, ELKH EK

*Secretary:* Richárd Horváth PhD, associate professor, ÓE

*Member:* Attila Aszódi PhD, university professor, BME NTI

István Groma DSc, university professor, ELTE TTK

Katalin Kulacsy PhD, ELKH EK

*Reserve:* Sándor Fehér, PhD, associate professor, BME NTI Attila

Imre, DSc, scientific advisor, ELKH EK

20. The Council recommends the following for **Anita Bányai's** comprehensive examination:

*Chair:* Judit Telegdi, DSc, professor emerita, ÓE

*Member:* Sándor Pekker, DSc, Research Professor, ÓE

Gusztáv Schay, PhD, Assistant Professor, SE



*Subjects:* Chemistry and Physics of Polymers (Sándor Pekker)

Fluorescence spectroscopy and microscopy (Gusztáv Schay)

*Topic:* Integrated microfluidic/lab-on-a-chip systems for point-of-care diagnostic applications

Supervisor: Péter Fűrjes PhD, senior research fellow, laboratory head, ELKH EK MFA

21. The Council recommends the following for the comprehensive examination of **Dao Duy Anh**:

*Chair:* Endre Ruzinkó, DSc, university professor, ÓE BGK

*Member:* Mátyás Andó PhD, associate professor, ELTE

Balázs Mikó PhD, associate professor, ÓE

*Subjects:* Characterisation of surface microgeometry and microtopography (Mátyás Andó)

Manufacturing process planning (Balázs Mikó)

*Topic:* Investigations on measurement uncertainty of feature measurements of CT

Supervisor: Ágota Horváthné Drégelyi-Kiss PhD, associate professor, ÓE

22. The Council admits **Hajnalka Hargitai, PhD, associate professor** (Széchenyi University) to the teaching staff of the Doctoral School.

23. The Council supplements the training plan with the following research topics

a) Low-dimensional nanostructures for the optical sensing of biomolecules and gases

Low-dimensional nanostructures for the optical sensing of biomolecules and gases

Author: Péter Petrik, DSc, scientific advisor, ELKH EK

b) Surface treatment technology Development 3D printing manufactured titanium alloy implant–tissue integration

Authors: Tünde Kovács, PhD, associate professor, ÓE BGK

Hajnalka Hargitai, PhD, Associate Professor, SZE

Dr. Mihály Réger

University Professor

Chair of the Doctoral School Council



**Ref. no.:** ÓE-BGK ATDIT 161/2021  
**Date:** Budapest, January 20, 2021

**Subject:** new lecturer, new topic, admission, new subject

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 58. Decision

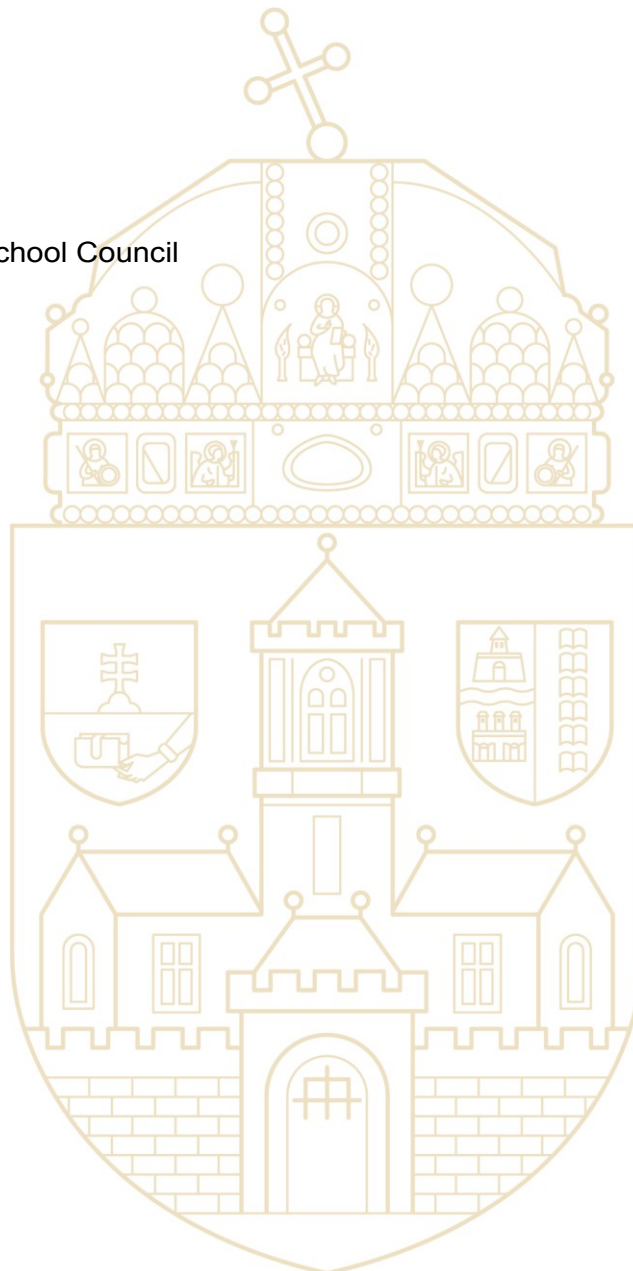
24. The Council admits Assistant Professor **Károly Széll** (ÓE Alba Regia Faculty of Engineering) to the teaching staff of the Doctoral School.
25. The Council supplements the training plan with the following topics
- a) Ákos Nemcsics      Ákos:      Zero-dimensional nanostructures  
                                 based on GaAs      -based      Károly Széll:
- b) Károly Széll: Dynamic arc stabilization possibilities in MIG/MAG robot welding with consumable electrode and shielding gas
- c) Miklós Fried: Combinatorial Preparation and Characterization Methods for High Through-put Study of Advanced Functional Materials
- d) Miklós Fried: Non-destructive optical mapping tool from cheap parts
26. The Council recommends the admission of the following applicants to the doctoral program starting in February 2021:
- a) **Zoltán Farkas**, individual preparatory  
Supervisor: Ákos Nemcsics, university professor, ÓE KVK  
Zero-dimensional nanostructures in improving the efficiency of GaAs-based solar cells
- b) **János Kónya**, independent researcher  
Supervisors: Tünde Anna Kovács, Hajnalka Hargitai  
Development of surface treatment technology to improve tissue integration of 3D-printed titanium alloy implants
- István Elek Kiss** applied for organized cost-reimbursed training, but cannot be accepted due to lack of an intermediate-level written language exam.



27. The Council includes the following subject in the training plan:

Katalin Balázsi: Transmission electron microscopy for structural investigations of different materials

Dr. Mihály Réger,  
university professor  
Chair of the Doctoral School Council





**Ref. no.:** ÓE-BGK ATDIT 533/2021  
**Date:** Budapest, March 9, 2021

**Subject:** Degree award

**DECISION OF THE DOCTORAL SCHOOL COUNCIL**

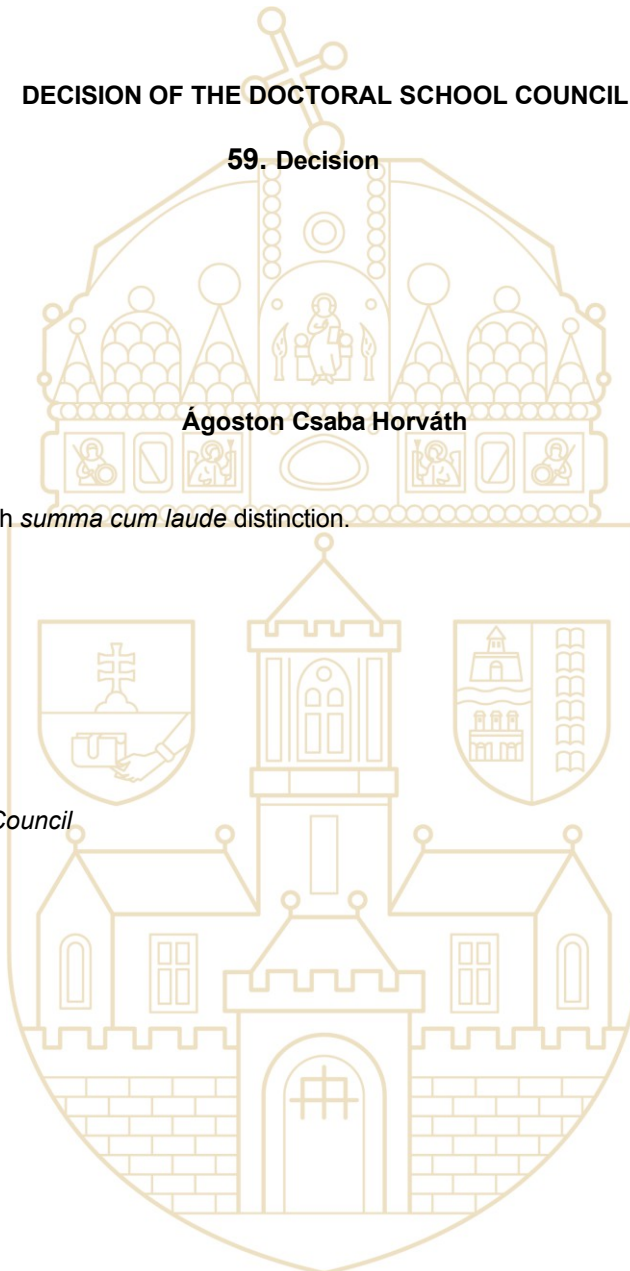
**59. Decision**

The Council recommends

**Ágoston Csaba Horváth**

be awarded a PhD degree with *summa cum laude* distinction.

Dr. Mihály Réger  
*university professor*  
*Chair of the Doctoral School Council*





**Subject:** complex examination, subject accreditation, new topic

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 60. Decision

1. The Council recommends the following committees **for complex examinations**:

**Zoltán Farkas**, individual training, supervisor Dr. Ákos Nemcsics, university professor, ÓE

Chair of the committee: Dr. László Pokorádi, university professor, ÓE

Committee members: Dr. Márta Takács, associate professor, ÓE  
Dr. Balázs Plesz, Associate Professor, BME VIK

Subjects: Model testing of technical systems (László Pokorádi) Statistical hypothesis testing (Márta Takács)

Topic: Zero-dimensional nanostructures in increasing the efficiency of GaAs-based solar cells

**János Kónya** individual training, supervisors Dr. Tünde Kovács, associate professor, ÓE  
Dr. Hajnalka Hargitai Associate Professor, SZE

Chair of the committee: Dr. Mihály Réger, professor, ÓE

Committee members: Dr. Péter Pinke, associate professor, ÓE  
Dr. Ibolya Zsoldos, university professor, SZE

Subjects: Modern material testing methods (Ibolya Zsoldos) Titanium and titanium alloys (Péter Pinke)

Topic: Surface treatment technology Development 3D printing manufactured titanium alloy implant/tissue integration improvement



**Al-hilfi Ali** SH scholarship holder, supervisor Dr. Endre Ruzinkó university professor, ÓE

Chairman of the committee: Dr. Mihály Réger, university professor, ÓE

Committee members: Dr. Péter Pinke, associate professor, ÓE  
Prof. László S. Tóth, director, Labex-DAMAS  
Laboratory of Excellence on Alloy Metals for Low-Mass Structures Metz,  
France

Subjects: Titanium and Titanium Alloys (Péter Pinke)  
Modeling of crystal plasticity (László S. Tóth)

Topic: The Effect Of Ultrasound On The Irrecoverable Deformation Of Metals.

**Mgherony Abdul Whab** SH scholarship holder, supervisor Dr. Balázs Mikó associate professor, ÓE Chair

of the committee: Dr. Mihály Réger, professor, ÓE

Members of the committee: Dr. Ágota Drégelyi-Kiss, associate professor, ÓE  
Dr. Mátyás Andó, associate professor, ELTE Savaria

Subjects: Experimental design (Ágota Drégelyi-Kiss)  
Characterization of surface microgeometry and microtopography (Mátyás Andó)

Topic: Optimization of ball-end milling tool path in case of Free-form surfaces

**Vargas Cruz Ramiro** SH scholarship holder, supervisor Dr. Viktor Gonda, associate professor,

ÓE Chair of the committee: Dr. Endre Ruzinkó, professor, ÓE

Committee members: Dr. András Mucsi, associate professor, ÓE  
Dr. Péter Barkóczy, associate professor, ME

Subjects: Plasticity (Endre Ruzinkó)  
Finite element modeling of materials technologies (András Mucsi) Topic: Creep in  
soldering materials: Finite Element Analysis.



2. The Council accepts the following subjects into the Doctoral School program

Seminar topic, 3 credits: Art of doing science – Methods of scientific research University of Miskolc, lecturer György Kaptay, university professor, corresponding member of the Hungarian Academy of Sciences

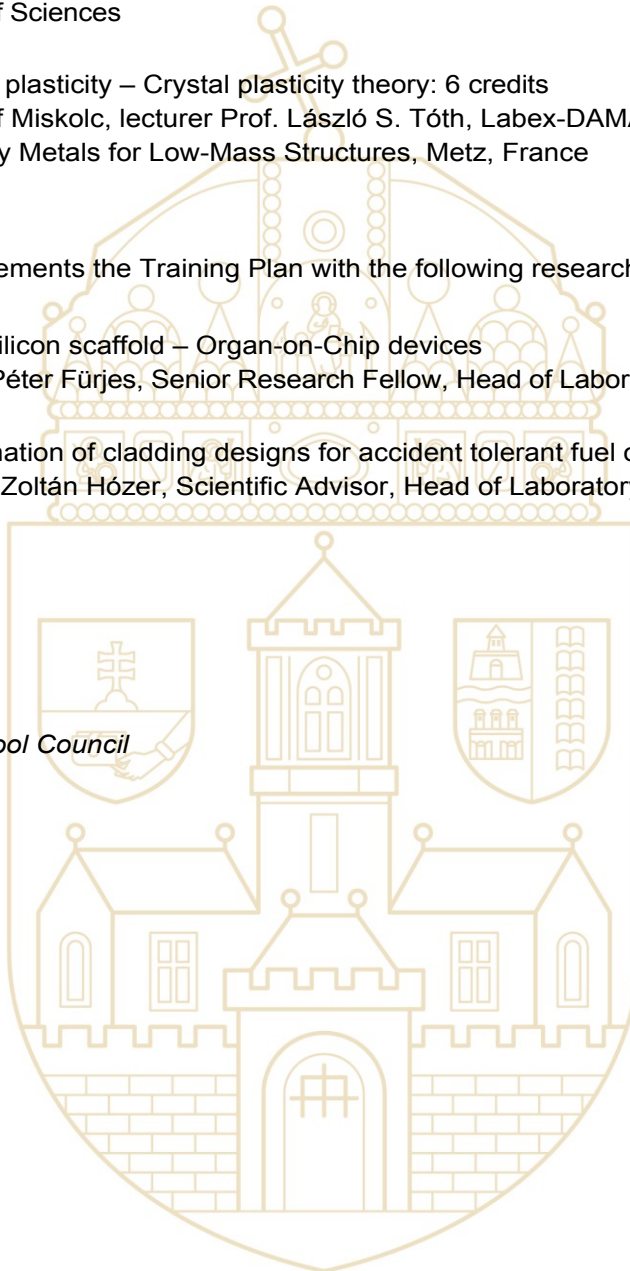
Modelling in crystal plasticity – Crystal plasticity theory: 6 credits  
University of Miskolc, lecturer Prof. László S. Tóth, Labex-DAMAS, Laboratory of Excellence on Alloy Metals for Low-Mass Structures, Metz, France

3. The Council supplements the Training Plan with the following research topics

Living tissue on a silicon scaffold – Organ-on-Chip devices  
Supervisor: Dr. Péter Fürjes, Senior Research Fellow, Head of Laboratory, ELKH EK MFA

Testing and examination of cladding designs for accident tolerant fuel of nuclear power plants  
Supervisor: Dr. Zoltán Hózer, Scientific Advisor, Head of Laboratory, ELKH EK AEKI

Dr. Mihály Réger  
*University professor*  
*Chair of the Doctoral School Council*





**Subject:** Degree awards

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 61. Decision

1. The Council recommends

**Anna Tegze**

be awarded a PhD degree with *summa cum laude* distinction.

2. The Council recommends

**Gábor Orbán**

be awarded a PhD degree with *summa cum laude* distinction.

3. The Council agrees to partially finance the purchase of the DSX1000 digital microscope specified in the proposal, up to a value of HUF 8 million, from the DI's remaining funds.

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council



**Subject:** new lecturer, new topic, admission, dismissal, habilitation

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 62. Decision

4. The Council admits

**Tamás Orosz,**

associate professor at the Faculty of Informatics, ELTE.

5. The Council supplements the Training Plan with the following topics

- a) Preservation of works of art made from synthetic fibers using materials science methods (Marianna Halász, professor, ÓE RKK; Gábor Tamás Orosz, associate professor, ELTE IK)
- b) Examination of the characteristics of surface layers and coatings (Richárd Horváth, associate professor, ÓE BGK)
- c) Sensor circuits implemented using thin-film technology (Andrea Csikósné Pap, associate professor, ÓE KVK)

6. The Council supplements the Training Plan with the following subject:

Physical testing of textile clothing materials (Marianna Halász, professor, ÓE RKK)

7. The Council recommends the admission of the following applicants to the **full-time doctoral** program with a **scholarship**:

a) Iliá Bató

Topic: Living tissue on a silicon scaffold – Organ-on-chip devices  
Supervisor: Péter Fűrjes, senior research fellow, laboratory head, ELKH EK MFA

b) Eszter Mátyás

Topic: Preservation of works of art made from synthetic fibers using materials science methods  
Supervisors: Marianna Halász, PhD, ÓE RKK, Gábor Tamás Orosz, PhD, ELTE



c) Ferenc Oláh

Topic: Examination of the characteristics of surface layers and coatings  
Supervisor: Richárd Horváth, associate professor, ÓE BGK

d) Tamás Zeffer

Topic: Sensor circuits implemented using thin-film technology  
Supervisor: Andrea Csikósné Pap, associate professor, ÓE KVK

8. The Council recommends admitting

Indian citizen Deshabrato Mukherjee to a full-time doctoral program with tuition fees.

Topic: Low-dimensional nanostructures for the optical sensing of biomolecules and gases  
Supervisor: Péter Petrik, scientific advisor, ELKH EK MFA

9. The Council recommends the admission of the following students to training based on **individual preparation**:

a) Tibor Czene

Topic: Research and development for increasing the physical mechanical and morphological properties of different recycled papers with the addition of virgin fibers for the enhancement of environmentally friendly paper production  
Supervisor: László Koltai, associate professor, ÓE RKK

b) József Nádas

Topic: Research and spectroscopic application of GaInAsP/InP LEDs in the near-infrared range  
Supervisor: Vilmos Rakovics, Senior Research Fellow, ELKH EK MFA

c) Richárd Nagy

Topic: Experimental and numerical investigation of the plastic deformation of nuclear power plant fuel cladding tubes over different time scales  
Supervisor: Zoltán Hózer, scientific advisor, laboratory manager, ELKH EK AEKI

10. The Council grants the following graduating students their degrees:

Jaber, Hassanen (403 credits) AI-

Zurajji, Sahir M. (290 credits)

Varga Bálint (418 credits)



11. The Council deletes

**Gergely Rácz,**

who obtained his absolutorium in 2017 but did not initiate the PhD degree process.

12. The Council recommends the following habitus examination and professional review committee  
**for Balázs Mikó's habilitation procedure:**

Habitus examination committee

Chair: László Pokorádi, university professor, ÓE  
Members: Mihály Réger, university professor, ÓE  
Mátyás Andó, associate professor, ELTE

Professional review committee

Chair: László Pokorádi, university professor, ÓE  
Secretary: Mihály Réger, university professor, ÓE  
Members: Mátyás Andó, associate professor, ELTE  
János Kundrák, professor emeritus, University of Miskolc  
Gábor Kalácska, university professor, Hungarian University of Agricultural and Life  
Sciences Tamás Réti, professor emeritus, ÓE  
Zoltán Rajnai, university professor, ÓE

Reserve:

Endre Ruzsinkó, university professor, ÓE  
János Líska, college professor, Neumann János University GAMF

Dr. Mihály Réger  
university professor  
Chair of the Doctoral School Council



**Subject:** admission, degree acquisition

### DECISION OF THE DOCTORAL SCHOOL COUNCIL

#### 63. Decision

28. The Council confirms the following proposals for the award of Stipendium Hungaricum doctoral scholarships for the doctoral program starting in September 2021:

Name	Score	Supervisor
a) Ismaeel Noor Taha Ms (Iraq)	10	Miklós Fried
b) Shbanah Mariam Ms (Syria)	100	Mihály Réger
c) Zereay Nugusse Berhane Mr (Eritrea)	100	Miklós Fried
d) Zoubeida Taha Ms (Syria)	100	Andrea Major
e) Abuqudaira Thabit M. A. Mr. (Jordan)	100	Zoltán Hózer
f) Abishev Anuar Mr (Kazakhstan)	100	Péter Petrik
g) Mr. Aftab Tabish (India)	100	Shaban Abdul
h) Mr. Soheil Amani (Iran)	70	Viktor Gonda
i) Ms. Amal Zarrami (Tunisia)	10	Andrea Major
j) Kaddouri Chifaa Ms (Algeria)	100	Andrea Major
k) Dagnaw Mengistu Jemberu Mr. (Ethiopia)	Rejected	
l) Ms Roslan Anis Arisa (Malaysia)	Rejected	

29. The Council recommends

**Awais QADIR**

awarded a PhD degree with *summa cum laude* distinction.

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council



**Subject:** degree acquisition, comprehensive examination, instructor, subject, topic

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 64. Decision

- 1) The Council recommends

**Erzsébet Perezné Feró**

be awarded a PhD degree with *summa cum laude* distinction.

- 2) The Council recommends the following for **Tibor Czene's** comprehensive examination:

**Chair:** Lászlóné Telegdi DSc, professor emerita, ÓE

**Tag:** Judit Borsa, CSc, professor emerita, Tamásné Nyitrai  
Cecília, PhD, former college professor

**Subjects:** Cellulose Chemistry (in English) (Judit Borsa)  
Paper industry fibers and their surface characteristics (Tamásné Nyitrai Cecília)

**Topic** The role of component characteristics and manufacturing parameters in the recyclability of  
various paper products

**Supervisor:** László Koltai, PhD, associate professor, ÓE

- 3) The Council recommends the following for **József Nádas's** comprehensive examination:

**Chair:** Zsolt József Horváth, DSc, professor emeritus, ÓE

**Member:** Andrea Csikósné Pap, PhD, Associate Professor, ÓE István  
Réti, PhD, Senior Research Fellow, ELKH EK MFA

**Subjects:** Solid-state light sources and their applications, in Russian (Zsolt József Horváth) The  
application of polymers in microtechnology (Andrea Csikósné Pap)

**Topic:** GaInAsP/InPLEDs Research and spectroscopic applications in near-  
infrared range

**Supervisor:** Vilmos Rakovics, CSc, ELKH EK MFA



4) The Council recommends the following for **Richárd Nagy's** comprehensive examination:

*Chair:* Mihály Réger, DSc, university professor, ÓE

*Member:* Endre Ruzsinkó, DSc, university professor, ÓE  
Sándor Borza PhD, associate professor, University of Sopron

*Subjects:* Fundamentals of plasticity theory, in Russian (Endre Ruzsinkó) Finite element modeling of heat transfer (Sándor Borza)

*Topic:* Nuclear power plant time scales fuel element cladding tubes on different time scales Experimental and numerical investigation of plastic deformation occurring on different

*Supervisor:* Zoltán Hózer, DSc, ELKH EK AEKI

5) The Council recommends the following for **Radi Achraf's** comprehensive examination:

*Chair:* Lászlóné Telegdi, DSc, professor emerita, ÓE

*Member:* Zoltán Hózer, DSc, scientific advisor, ELKH EK  
Erzsébet Takács DSc, emerita research professor, ELKH EK

*Subjects:* Nuclear Reactor Materials (Zoltán Hózer)  
Selected chapters of material testing methods (FTIR, SEM, AFM) (Erzsébet Takács Telegdi Lászlóné)

*Topic:* Modeling Calculations and Validation Measurements of Activation of Objects in Novel Research Facilities

*Supervisors:* László Szentmiklósi PhD, senior research fellow, ELKH EK EKBI Péter Zagvyai CSc, senior research fellow, ELKH EK EKBI

6) The Council appoints

**László Péter**, scientific advisor,

a member of the Wigner Research Centre for Physics, Institute of Solid State Physics and Optics

7) The Council supplements the Training Plan with the following

subject: Electrochemical metal separation (László Péter)

8) The Council supplements the Training Plan with the following topic:

Development of composite materials for electromagnetic interference (EMI) shielding (Mihály Réger)



9) The Council recommends the public defense of **JABER L. Hassanen's** PhD thesis as follows:

*Title of the thesis:* Study of microstructure, heat treatment and hydroxiapatite addition in selective laser melting of Ti6Al4V alloy

*Supervisor:* Tünde Anna Kovács PhD, ÓE BGK

**Workplace discussion**

*Location:* ÓE BGK council room

*Opponents:* Péter Pinke, PhD, associate professor, ÓE  
Hajnalka Hargitai, PhD habil., Associate Professor, SZE

**Public defense**

*Location:* ÓE BGK conference room

*Opponents:* János Dusza, DSc, university professor, ÓE BGK  
Hajnalka Hargitai PhD habil. associate professor, SZE

*Chair:* Mihály Réger, DSc, university professor, ÓE

*Reserve:* Lászlóné Telegdi, DSc, professor emerita, ÓE

*Secretary:* Richárd Horváth PhD Associate Professor, ÓE

*Members:* László Tóth, DSc, university professor, Lorrain University  
Péter Pinke PhD, associate professor, ÓE  
Ibolya Zsoldos DSc, professor, SZE

*Reserve:* Tamás Réti, DSc, university professor, ÓE

10) The Council shall inform the supervisors and students about the course and schedule of the training with the summary attached in the appendix.

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council



Ref. no.: ÓE-BGK ATDIT 2199/2021

Date: Budapest, December 13, 2021

**Subject:** Changes to the Defense Committee and Complex Examination Committee, new instructor, new topics

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 65. Decision

- 1) The Council proposes that **Larbi EDDAIF**'s public PhD defense committee replace

*Lajos Höfler*, PhD, associate professor (BME VBK SzKAT), listed in Council Decision 57, be replaced by *Erzsébet Takács*, DSc, emeritus research professor (ELKH EK), should perform the role of opponent.

Thus, the defense committee is as follows:

*Chair:* Judit Borsa, CSc, professor emerita, ÓE

*Deputy Chair:* Endre Ruzinkó, DSc, university professor, ÓE

*Opponents:* Sándor Pekker, DSc, scientific advisor, ELKH Wigner FKK, research professor, ÓE

Erzsébet Takács, DSc, emeritus research professor, ELKH EK

*Secretary:* Ágota Horváthné Drégelyi-Kiss PhD, associate professor, ÓE

*Member:* Gergő Gyulai PhD, research fellow, ELTE Marianna

Halász CSc, university professor, ÓE Viola Horváth PhD,

associate professor, BME VBK

- 2) The Council **Czene Tibor** complex examination in accordance with Council Resolution 64

*Paper industry fiber materials and their surface characteristics*

*Mechanical and physical properties of paper and corrugated products*

Thus, the subjects and committee of the complex examination are as follows: *Chair:* Lászlóné Telegdi, DSc, professor emerita, ÓE

*Member:* Judit Borsa CSc, professor emerita, ÓE

Tamásné Nyitrai Cecília PhD, former college professor

*Subjects:* Cellulose Chemistry (in English) (Judit Borsa)

Mechanical and physical properties of paper and corrugated products (Tamásné Nyitrai Cecília)

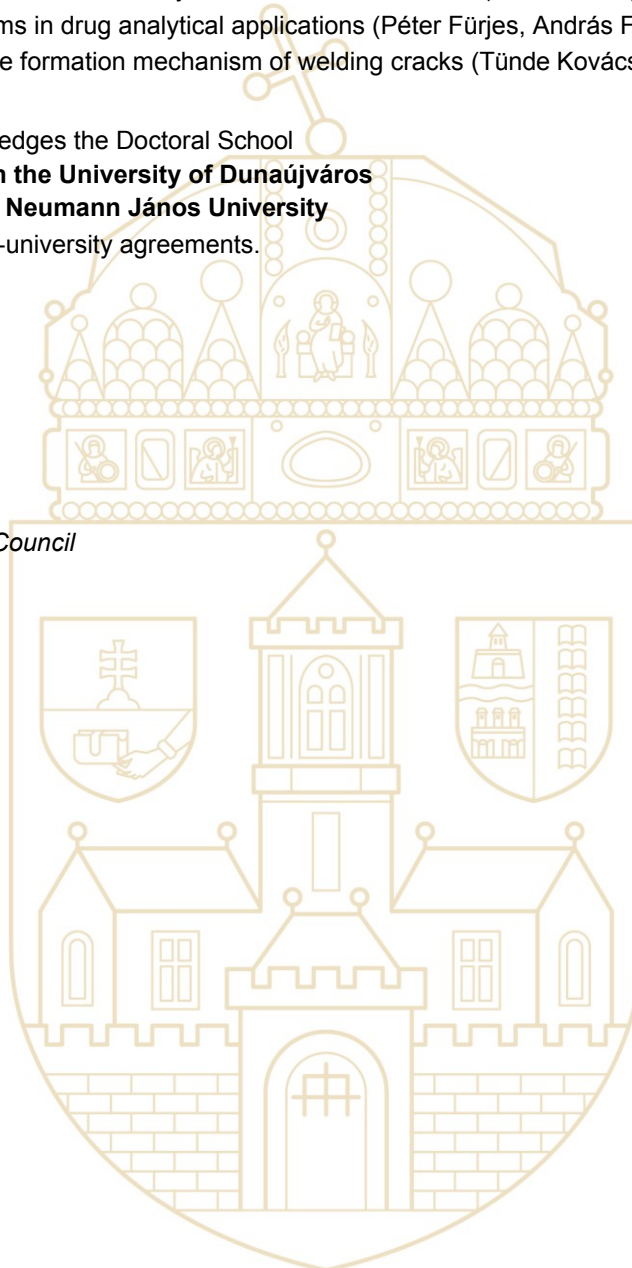
- 3) The Council appoints András Füredi, research fellow at ELKH EK, as a member of the Doctoral School's teaching staff.

**András Füredi**, research fellow at ELKH EK



- 4) The Council supplements the Training Plan with the following topics:
- a) Preparation of porous materials by electrochemical methods  
Preparation of porous materials by electrochemical methods (László Péter)
  - b) Microfluidic systems in drug analytical applications (Péter Fürjes, András Füredi)
  - c) Investigation of the formation mechanism of welding cracks (Tünde Kovács)
- 5) The Council acknowledges the Doctoral School  
**with the University of Dunaújváros  
and Neumann János University**  
as set out in the inter-university agreements.

Dr. Mihály Réger  
university professor  
Chair of the Doctoral School Council





**Ref. no.:** ÓE-BGK 182/2022  
**Date:** Budapest, January 25, 2022

**Subject:** Eddaif Larbi's degree

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

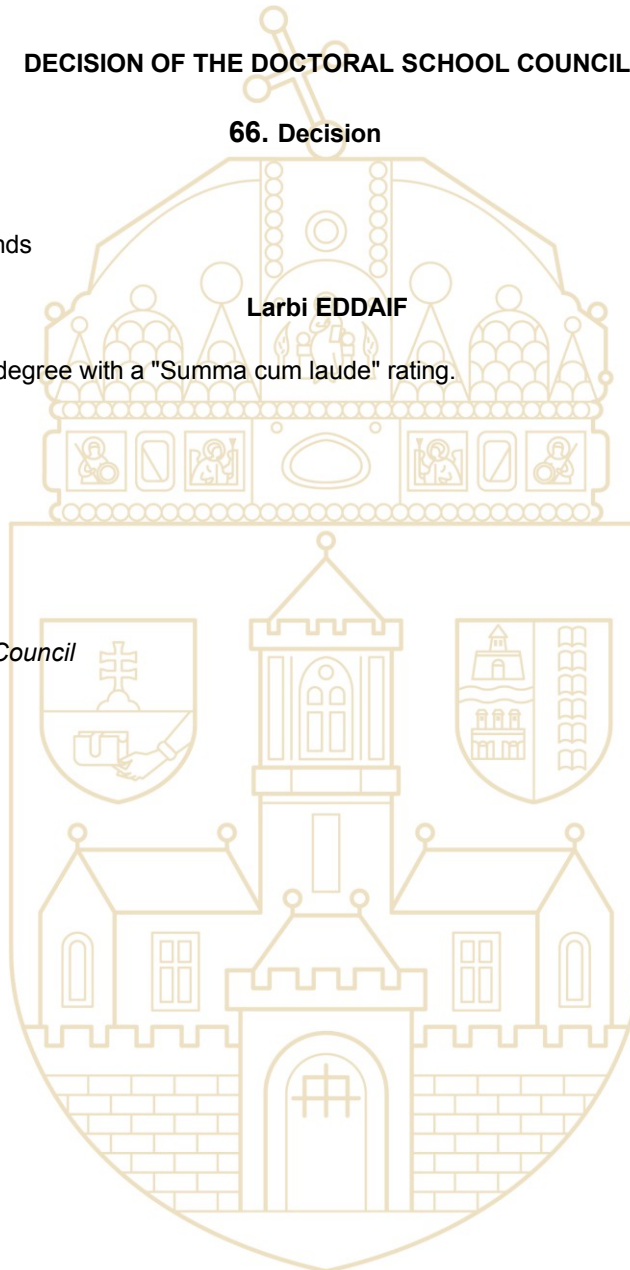
### 66. Decision

1) The Council recommends

**Larbi EDDAIF**

awarded him a PhD degree with a "Summa cum laude" rating.

Dr. Mihály Réger  
*University Professor*  
*Chair of the Doctoral School Council*





Ref. no.: ÓE-BGK ATDIT195/2022

Date: Budapest, February 4, 2022

Subject: admission, new lecturer, new topic, new subject, subject accreditation, mid-term evaluation of students

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 67. Decision

1) The Council recommends

**Dóra Bereczki**

(Topic: Microfluidic systems in the analytical application of active pharmaceutical ingredients  
Supervisor: Péter Fűrjes, András Füredi)

and

**Márton Schramkó**

(Topic: Investigation of the formation mechanism of welding cracks Supervisors:  
Tünde Kovács, Péter Pinke)

for full-time doctoral scholarship programs, and

**Levente Széles**

(Topic: Development of design guidelines for additive manufacturing technologies  
Supervisor: Richárd Horváth)

*Transfer* from the second year of the BME Pattantyús-Ábrahám Géza Doctoral School of Mechanical Engineering, state-funded full-time program, to the Óbuda University Doctoral School of Materials Science and Technology, state-funded full-time program.

2) The Council admits physicist László Tóth, professor emeritus at Lorraine University (Metz, France), to the teaching staff of the Doctoral School.

**László Tóth, physicist**, professor emeritus at Lorraine University (Metz, France), and  
**András Frigyik, mathematician**, lecturer at BGK



3) The Council supplements the Training Plan with the following topics:

The different heat treatment effects for the nitridation efficiency of the 3D printed Titanium alloy (Tünde Kovács, László Tóth)

Development of design guidelines for additive manufacturing technologies (Richárd Horváth)

4) The Council supplements the Training Plan with the following subjects:

Plastics testing (Andrea Ádámné Major) Structure of polymers (Andrea Ádámné Major)

5) The Council accredits the course Neutron Techniques with a grade of 4 (good) for the training of PhD student Achraf Radi.

6) The Council accepts the following students' mid-term written and oral reports:

Anikó Bezsényi  
Anh Duy Dao  
MgHerony, Abdul Whab  
Kaou, Maroua Houria  
Nugusse Berhane  
Ferenc Oláh

Abdulrahman, Kawan  
Ramiro Sebastian Vargas Cruz  
Ali Al-Hilfi  
Lília Bató  
Mukherjee, Deshabrato  
Shbanah, Mariam

Nikolett Hegedűs  
Anita Bányai  
Mohammed Mudabbiruddin  
Ismael, Noor Taha Zereay,  
Eszter Mátyás  
Tamás Zeffer

The Council accepts the written report by Zoubeida Taha.

7) The Council

**Deshabrato MUKHERJEE**

exempts the full-time student from tuition fees until further notice in recognition of his excellent academic performance.

8) The Council grants absolution to the following students

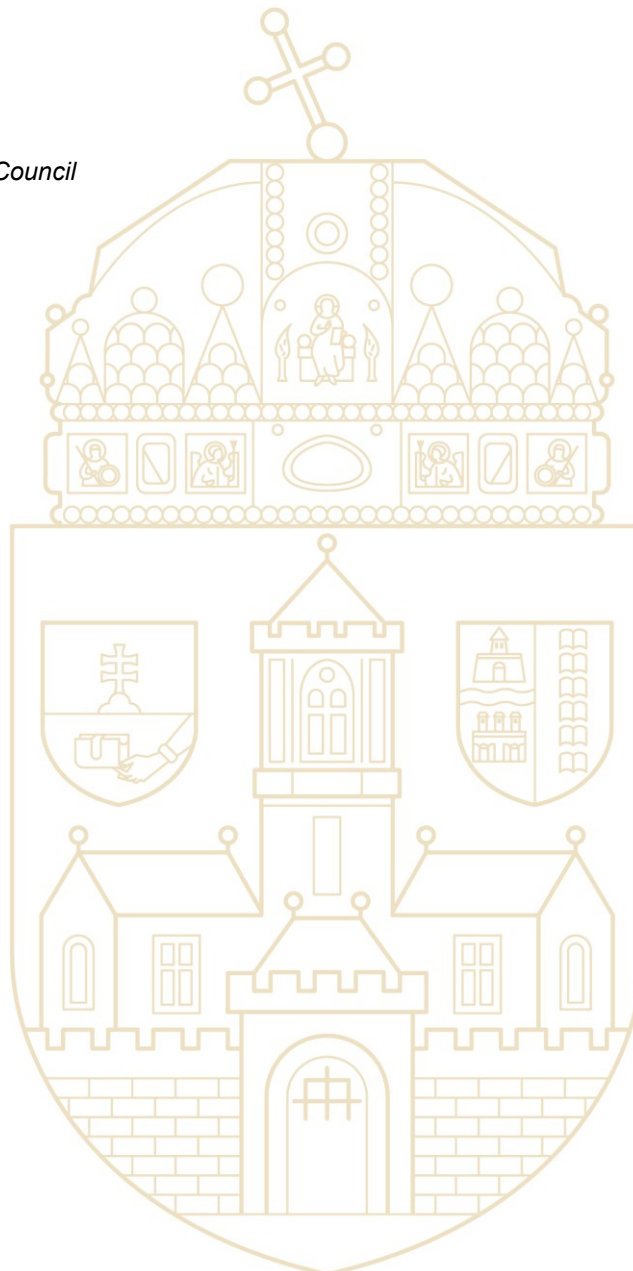
**Abdulrahman Kawan Mahmood (283 credits)**



**Anikó Bezsenyi (388 credits)**

9) The Council approves the amended Rules of Procedure of the Doctoral School.

Dr. Mihály Réger  
*University Professor*  
*Chair of the Doctoral School Council*





Ref. no.: ÓE BGK ATDI 520/2022

Date: Budapest, March 25, 2022

**Subject:** defense committee, new instructor, topic, subject, student transfer, co-supervision, subject accreditation

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 68. Decision

1. The Council recommends the public defense of **Saher Mohammed Azeez ALZURAJI's** PhD thesis as follows:

*Title of the dissertation:*

Synthesis of Organic-Inorganic Nanocomposites and Application in Water Oxidation *Supervisor:* József Sándor Pap PhD, Senior Research Fellow, ELKH EK EKI

**Workplace discussion**

*Location* ELKH EK

*Opponents:* Csaba Balázs, DSc, scientific advisor, ELKH EK Balázs Endrődi, PhD, assistant professor, SZTE

**Public defense**

*Location:* ÓE BGK Council Room (1081 Budapest, Népszínház utca 8.) and online (BBB)

*Chair* Lászlóné Telegdi DSc, professor emerita, ÓE

*Reserve chair, member:* Judit Borsa CSc, professor emerita, ÓE

*Opponents:* Csaba Balázs, DSc, scientific advisor, ELKH EK MFA  
Gábor London PhD, Research Fellow, MTA TTK

*Reserve:* Emília Tálás PhD, Senior Research Fellow, MTA TTK

*Secretary:* Tünde Anna Kovács PhD Associate Professor, ÓE

*Member:* Dániel Zámbo, PhD, Research Fellow, ELKH EK MFA

Balázs Endrődi, PhD, Assistant Professor, SZTE

*Reserve:* Gábor Járvas, PhD, senior research fellow, Pannon University

2. The Council recommends the public defense of **Hassanen L. JABER's** PhD thesis as follows:

*Title of the dissertation:*

Study of Microstructure, Heat Treatment and Hydroxyapatite Addition in Selective Laser Melting of Ti6Al4V Alloy

*Supervisor:* Tünde Anna Kovács PhD, Associate Professor, ÓE



### Workplace discussion

*Location:* ÓE BGK Council Room (1081 Budapest, Népszínház utca 8.) and online (BBB)

*Opponents:* Péter Pinke, PhD, associate professor, ÓE  
Dr. Hajnalka Hargitai, habil., professor, SzE

### Public defense

*Location:* ÓE BGK Council Room (1081 Budapest, Népszínház utca 8.) and online (BBB)

*Chair* Endre Ruszinkó, university professor, ÓE

*Reserve:* Judit Borsa, CSc, professor emerita, ÓE

*Opponents:* János Dusza, DSc, university professor, ÓE  
Hajnalka Hargitai, Dr. habil., university professor, SzE

*Reserve:* Tamás Réti, DSc, professor emeritus, ÓE

*Secretary:* Richárd Horváth PhD Associate Professor, ÓE

*Member:* Péter Pinke PhD Associate Professor, ÓE  
László Tóth CSc Professor, Lorraine University, Metz, France Ibolya Zsoldos  
DSc University Professor, SZE

*Reserve:* Mihály Réger, DSc, university professor, ÓE  
László Telegdi, DSc, professor emeritus, ÓE

3. The Council admits the following to the teaching staff of the Doctoral School

#### **Zoltán Lábadi**

senior research fellow (ELKH, EK) and

#### **János Péter Rádics**

Head of the Department of Additive Manufacturing Technology and Innovative Design Methodology, Óbuda University, Bánki Donát Faculty of Mechanical and Safety Engineering Head of the Department of Additive Manufacturing Technology and Innovative Design Methodology, Budapest University of Technology and Economics, Faculty of Mechanical Engineering, Department of Machine and Product Design, part-time assistant professor

4. The Council supplements the Training Plan with the following topic and subject:

Combinatorial Sputtering and Characterization of Advanced Metal Oxide Based Sensors and Devices (supervisor: Zoltán Lábadi)

Numerical Methods for Evaluating Optical Measurements (presenter: Péter Petrik)

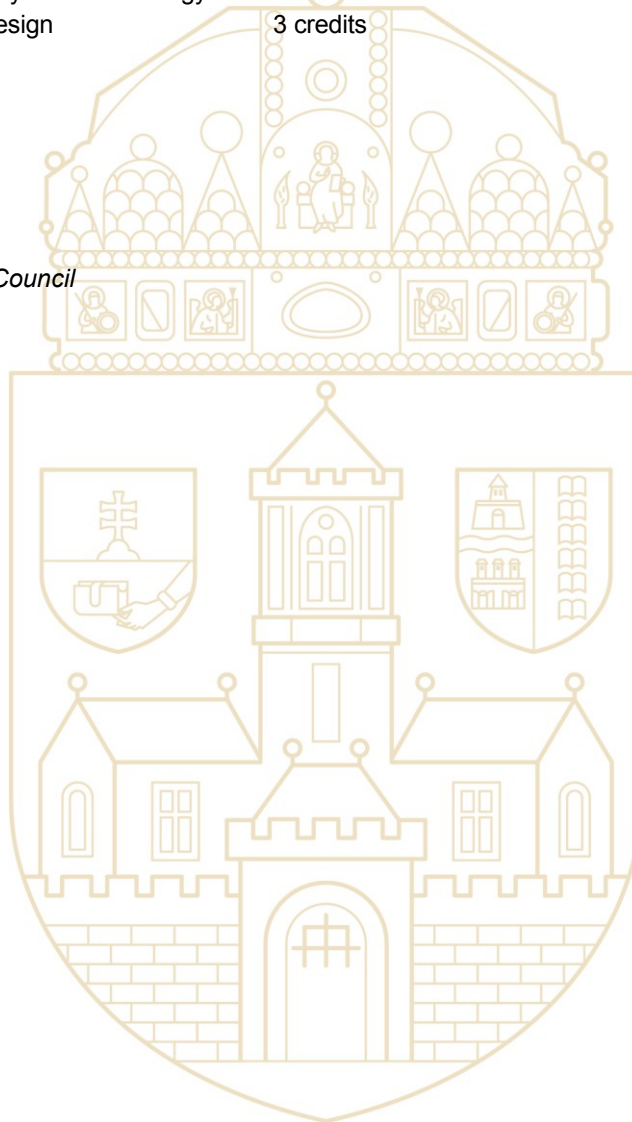
5. The Council recommends the admission of **Amal ZARRAMI**, a first-year Stipendium Hungaricum scholarship holder and PhD student at the University of Miskolc, to the Doctoral School.
6. The Council invites **János Péter Rádics** to serve as co-supervisor for PhD student Levente Széles.
7. The Council accepts the following subjects from the **BME Pattantyús-Ábrahám Géza Doctoral School of Mechanical Sciences** into the Doctoral School's curriculum and also accepts the grades obtained by Levente Széles PhD



's grades in these subjects, as indicated in his accreditation application and the certificate submitted.

Guided education I-II-III	4-4-4 credits
Research work I-II-III	15-15-15 credits
Research methodology	3 credits
Structure of Polymers I-II	3-3 credits
Computer Design I-II	3-3 credits
Product Development I-II	3-3 credits
Mechanical Design	3 credits
Measurement Theory and Technology	3 credits
Polymer Product Design	3 credits

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council





**Ref. no.:** ÓE BGK ATDI 824/2022

**Date:** Budapest, May 20, 2022

**Subject:** complex examinations

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 69. Decision

1. The Council recommends the following committees **for complex examinations**:

**a.) Maroua Houria KAOU**

Chair of the committee: Prof. Judit Borsa, CSc, emerita, ÓE

Committee members: Erzsébet Takács, DSc, emeritus research professor, ELKH EK EKI László Telegdi, DSc, professor emerita, ÓE

Subjects: Selected chapters of materials testing methods (Erzsébet Takács, Lászlóné Telegdi)  
Cellulose chemistry (Judit Borsa)

Topic: Development and structural characterization of bioceramics

Supervisors: Csaba Balázsi, Katalin Balázsi ELKH EK MFA

**b.) Mohammed MUDABBIRUDDIN**

Chair of the committee: Endre Ruzinkó, DSc, university professor, ÓE

Committee members: László Kuzsella, PhD, associate professor, ME  
Balázs Mikó PhD associate professor, ÓE

Subjects: Analysis of damage failure for structural material (László Kuzsella)  
The impact of Industry 4.0 on manufacturing technology (Balázs Mikó) Topic:  
Mathematical modeling for the aging of technical systems

Supervisor: László Pokorádi, CSc, university professor, ÓE

**c.) Levente SZÉLES**

Chair of the committee: Mihály Réger, DSc, university professor, ÓE

Committee members: László Mihály Vas, DSc, university professor, BME Viktor Gonda, PhD, associate professor, ÓE



ÓBUDAI EGYETEM  
ÓBUDA UNIVERSITY

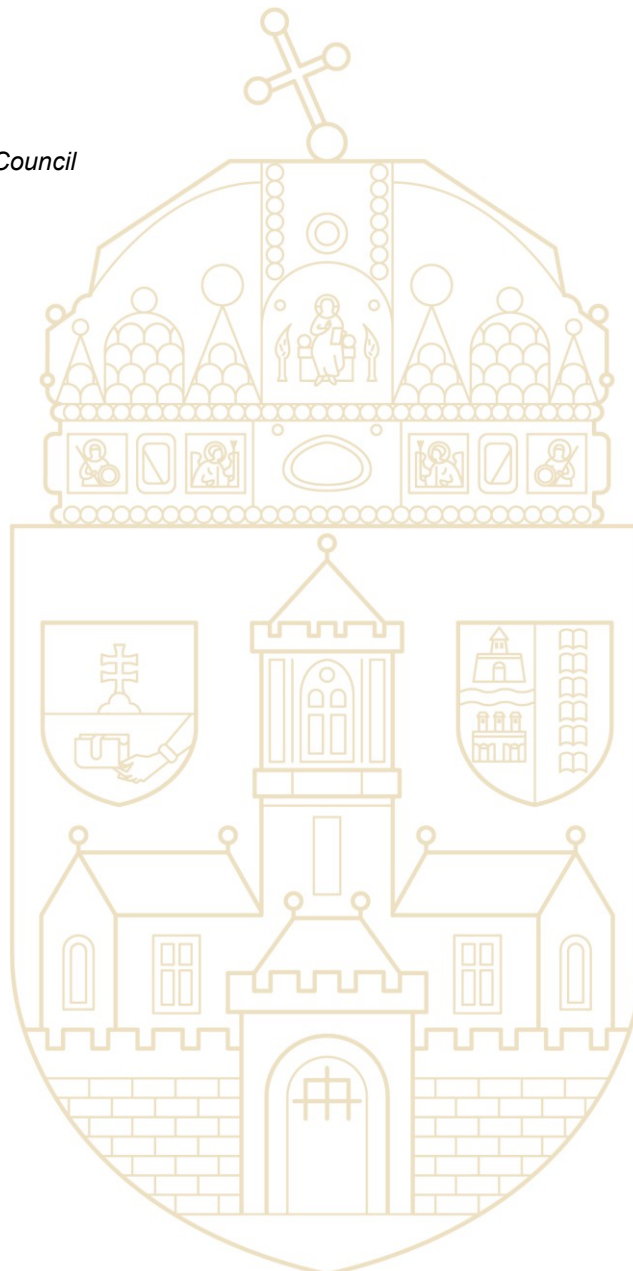
Materials Science and Technology  
Doctoral School

Subjects: Polymer structure (László Mihály Vas) Finite element modelling of materials technologies (Viktor Gonda)

Topic: Development of design guidelines for additive manufacturing technologies

Supervisor: Richárd Horváth PhD, associate professor, ÓE

Dr. Mihály Réger  
*University Professor*  
*Chair of the Doctoral School Council*





Ref. no.: ÓE BGK ATDIT: 993/2022

Date: Budapest, June 10, 2022

**Subject:** new lecturer, new topic, admission, student reports, absolution, defense committee, habilitation

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 70. Decision

30. The Council admits the following to **the teaching staff** of the Doctoral School

- a) Professor Emeritus **Gábor PÓR** (University of Dunaújváros)
- b) **Alexis RUSINEK** Full Professor (Lorraine University, Metz, France)
- c) **Anita SZABÓ, CEO** (INNO-WATER Research and Environmental Protection Services Ltd.)

31. The Council supplements the Training Plan **with** the following **topics**:

- a) Thermal problems of solar cells, their negative impact on operation, and the examination of possibilities for reducing these (Ákos Nemcsics)
- b) Intensification of small wastewater treatment plants using microorganisms attached to carrier materials and automated control technology based on mathematical relationships (Rita Bodáné Kendrovics, Anita Szabó)
- c) Modeling transformation processes in welding heat cycles (Mihály Réger)
- d) Industrial CT-based optimization of additive manufacturing processes (Ágota Horváthné Drégelyi-Kiss)
- e) Study of the material composition and knitting techniques of natural textile fabrics that form part of cultural heritage (Tünde Tóth)
- f) Investigation of the metallurgical and mechanical properties of clad reactor structural elements (Judit Pázmán)
- g) Technological investigation of stir friction welding (Richárd Horváth)



- h) Examination of martensite formed during laser welding of boron-microalloyed steels (Enikő Fábián)
- i) Development and application of modern non-destructive material testing methods in a nuclear power plant environment (Gábor Pór)
- j) Plastic deformation on curved load paths (Endre Ruzinkó)

32. The Council recommends **the admission of** the following applicants **to full-time scholarship programs:**

**Lajos Norbert Berecz**

Topic: Thermal problems of solar cells and energy-efficient solutions Supervisor: Ákos Nemcsics, university professor, ÓE

**Róbert Kohlhéb**

Topic: Modeling transformation processes in welding heat cycles Supervisor: Mihály Réger, university professor, ÓE

**Attila Marczis**

Topic: CT-based optimization of additive manufacturing processes Supervisor: Ágota Horváthné Drégelyi-Kiss, associate professor, ÓE

**Anikó Moór**

Topic: Materials science characterization of early silk fabrics in the Museum of Applied Arts Supervisor: Tünde Tóth, senior research fellow, ELKH EK

**Róbert Stadler** Topic:

Technological examination of friction welding with a stirrer Supervisor: Richárd Horváth, Associate Professor, ÓE

The Council recommends **the admission of** the following applicants **to part-time (fee-paying) training: Tamás**

**Kloknicer**

Topic: Intensification of wastewater treatment using intelligent microreactors Supervisors: Anita Szabó, CEO, INNO-WATER

Rita Bodáné Kendrovics, Associate Professor, ÓE RKK



**Zsuzsa Olesnyovicsné Szabadi**

Topic: Investigation of the metallurgical and mechanical properties of clad reactor structural elements

Supervisor:

Supervisor: Judit Pázmán, associate professor, University of Dunaújváros

**Sándor Takács**

Topic: Examination of martensite formed during laser welding of boron-microalloyed steels

Supervisor: Enikő Réka  
Fábián, Associate  
Professor, ÓE BGK

Supervisor: Enikő Réka Fábián, Associate Professor, ÓE BGK

The Council confirms the recommendation made to the Tempus Public Foundation **to accept** the following applicant for the **Stipendium Hungaricum** full-time scholarship program:

**KHAN, Kashif Ullah (India)**

Topic: Preparation and investigation of nanocomposites with polymer matrix Supervisor: Andrea Adámné Major, Associate Professor, Neumann János University

33. The Council approves **the completion of** the following students' **research projects and research reports:**

Al-hilfi Ali	Anita Bányai	Lilia Bató
Dóra Bereczki	Nikolett Hegedüs	Ismaeel Noor Taha
Attila Zsolt Kenéz	Eszter Mátyás	Abdul Whab Mgherony
Deshabrato Mukherjee	Ferenc Oláh	Achraf Radi
Márton Schramkó	Shbanah Mariam	Zoubeida Taha
Barnabás Zoltán Tóth	Ramiro S. Vargas Cruz	Berhane Nugusse Zereay

The Council approves the completion of Tamás Zeffer's **research project**.

The Council accepts the completion of the research project and research report of the following students, provided they pass their complex examinations  
**completion of their research projects and research reports:**

Kaou Houria Maroua	Levente Széles	Mohammed Mudabbiruddin
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34. The Council grants **absolution** to the following students.

**Nikolett Hegedűs** (318 credits)

**Attila Kenéz** (330 credits)

35. The Council recommends **Richárd Nagy's** public PhD defense as follows:

*Title of the dissertation:*

Nuclear power plant fuel cladding tubes on different time scales  
experimental and numerical investigation of experimental and numerical investigation of  
plastic deformation

*Supervisor:* Zoltán Hózer, DSc, scientific advisor, ELKH EK AKI

**Workplace discussion** (for information purposes) *Location:* ELKH EK

*Opponents:* Viktor Gonda PhD, associate professor, ÓE  
Gusztáv Mayer PhD, senior research fellow, ELKH EK

**Public defense**

*Location:* ÓE BGK Council Room (1081 Budapest, Népszínház utca 8.) and online (BBB)

*Chair:* Mihály Réger, DSc, university professor, ÓE

*Reserve:* Judit Borsa, CSc, professor emerita, ÓE

*Opponents:* Viktor Gonda PhD, associate professor, ÓE Valéria  
Mertinger DSc, university professor, ME

*Reserve:* Péter Trampus, DSc, university professor, DUE  
Tamás Gábor Katona, DSc, professor emeritus, PTE

*Secretary:* Richárd Horváth PhD, associate professor, ÓE

*Member:* Endre Ruszinkó, DSc, university professor, ÓE  
Gusztáv Mayer, PhD, senior research fellow, EK Áron Brolly,  
PhD, Paks Nuclear Power Plant

*Reserve:* Péter Pinke PhD, associate professor, ÓE Máté  
Szieberth PhD, associate professor, BME György  
András Gémes PhD, BME



36. The Council recommends the following committees **for Tünde Kovács's habilitation procedure** :

**Habitus Examination Committee:**

Chair: Judit Borsa, CSc, university professor, ÓE  
Members: Alexis RUSINEK Full Professor (Lorraine University, Metz)  
János DUSA, DSc, university professor, ÓE

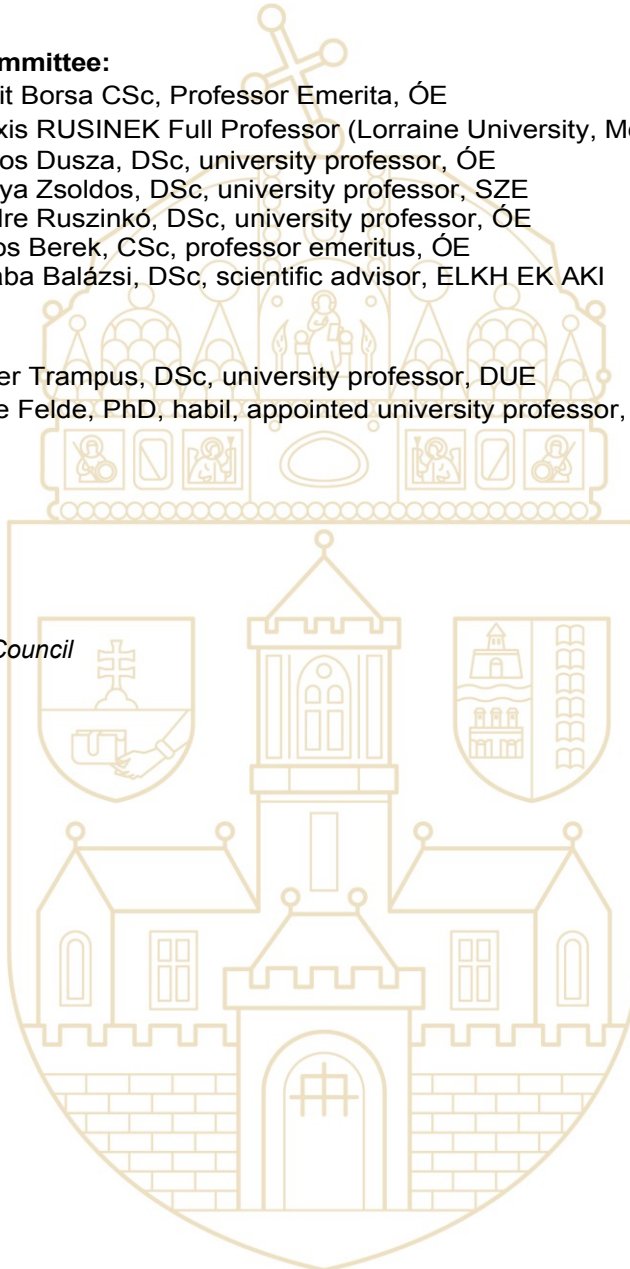
**Professional Review Committee:**

Chair: Judit Borsa CSc, Professor Emerita, ÓE  
Members: Alexis RUSINEK Full Professor (Lorraine University, Metz)  
János Dusza, DSc, university professor, ÓE  
Ibolya Zsoldos, DSc, university professor, SZE  
Endre Ruzsinkó, DSc, university professor, ÓE  
Lajos Berek, CSc, professor emeritus, ÓE  
Csaba Balázsi, DSc, scientific advisor, ELKH EK AKI

**Reserve:**

Péter Trampus, DSc, university professor, DUE  
Imre Felde, PhD, habil, appointed university professor, ÓE

Dr. Mihály Réger  
university professor  
Chair of the Doctoral School Council





**Ref. no.:** 1465/2022  
**Date:** Budapest, 09.09.2022

**Subject:** Absolutorium, new subject, habilitation

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 71. Decision

37. The Council grants the **absolutorium to Barnabás Zoltán Tóth** (421 credits).

38. The Council supplements the Training Plan with the following subjects

- a) Chemistry of Fibrous Materials (Tünde Tóth)
- b) Protein-based sheet systems (Tünde Tóth)

39. The Council **recommends** the following committees **for Viktor Gonda's habilitation procedure** :

#### **Habitus Examination Committee:**

Chair: Judit Borsa, CSc, university professor, ÓE  
Members: Jurij Sidor, DSc, university professor, ELTE  
Endre Ruzsinkó, DSc, university professor, ÓE

#### **Professional Review Committee:**

Chair: Judit Borsa, CSc, professor emerita, ÓE  
Members: Jurij Sidor, DSc, university professor, ELTE Endre Ruzsinkó, DSc, university professor, ÓE Ferenc Szlivka, CSc, university professor, ÓE Tamás Réti, DSc, university professor, ÓE Béla Palotás, CSc, professor emeritus, DUE  
Péter János Szabó, DSc, university professor, BME

#### **Reserve:**

Zoltán Gácsi, DSc, university professor, ME László Pokorádi, DSc, university professor, ÓE

Dr. Mihály Réger  
*university professor*  
*Chair of the Doctoral School Council*



Ref. no.: ÓE-BGK ATDIT 1595/2022

Date: Budapest, October 20, 2022

**Subject:** degree, core member, DIT member

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 72. Decision

1. The Council recommends

**Sahir Mohammed Azeez ALZURAJI**

be awarded a **PhD degree** with a "Summa cum laude" rating.

2. The Council would like to thank

**János Dusza**

university professor, external member of  
the Hungarian Academy of Sciences, and

**Sándor Pekker**

scientific advisor

for their ten years of service as core members and recommends that they be awarded the title of **emeritus core member**.

3. The Council recommends that **the following be appointed as members of the Doctoral School and members of the Doctoral School Council**

**Csaba Balázs**

as a scientific advisor

a member of the Eötvös Loránd Research Network Energy Science Research Center Institute for Technical Physics and Materials Science, and

**Andrea Csikósné Pap**

associate professor

lecturer at the Kandó Kálmán Faculty of Electrical Engineering, Óbuda University



4. The Council would like to thank

**Zoltán Juvancz**  
retired university professor

for his work as a core member and then as a member of the Doctoral Council, and relieves him of his membership in the Doctoral Council.

5. The Council thanks

**Miklós Zrínyi**  
academician

for his work as a member of the Doctoral Council and relieves him of his membership in the Doctoral Council.

6. The Council recommends

**Zoltán Hózer**

, scientific advisor and core member of the Doctoral School, as a member of the Doctoral Council.

**Csaba Balácsi**  
Scientific Advisor

a member of the Eötvös Loránd Research Network Energy Science Research Center Institute for Technical Physics and Materials Science, and

**Andrea Csikósné Pap**  
associate professor

lecturer at the Kandó Kálmán Faculty of Electrical Engineering, Óbuda University

7. The Council considers the dissertation of doctoral candidate **Eliza Angeli** to be primarily related to the paper industry, and therefore considers a change of co-supervisor to be justified. Thanking **Szilvia Klébert**, senior research fellow (ELKH TTK), for her work to date, the Council relieves her of her duties and entrusts **László Koltai**, habilitated associate professor, head of the University's paper industry training program, and editor-in-chief of the journal *Papíripar*, with the tasks of co-supervisor.

8. The council supports the division of the mid-year doctoral reports into several sections.



organization. The doctoral school council is represented by at least 3-3 council members in both sections.

**9. The Council proposes to amend the members participating in the PhD degree award procedure of Eliza Angeli (Decision 53/2):**

*Title of the dissertation:* Solvent retention of cellulose-based packaging materials

*Supervisors:* Rozália Szentgyörgyvölgyi PhD, associate professor, ÓE László Koltai PhD, associate professor, ÓE

Workplace discussion (in Hungarian)

*Location:* ÓE RKK, 1034 Budapest, Doberdó u. 6.

*Opponents:* Péter Böröcz, PhD, university professor, SZE  
Tünde Tóth, PhD, ELKH EK, habilitated associate professor, BME

Public defense (in Hungarian)

*Location:* ÓE RKK, 1034 Budapest, Doberdó u. 6.

*Opponents:* Péter Böröcz, PhD, university professor, SZE  
Erzsébet Novotny, habilitated PhD, associate professor, ANY Security Printing Company Ltd.

*Chair:* Judit Borsa, CSc, professor emerita, ÓE

*Secretary:* Richárd Horváth PhD, associate professor, ÓE

*Members:* Zoltán Juvancz, DSc, retired university professor, ÓE  
Livia Kokasné Palicska PhD, Chief Engineer, Innovatext Textile Industry Technical Development and Testing Institute Ltd.  
Tünde Tóth PhD ELKH EK, habilitated associate professor, BME

*Reserve chair/secretary:* Mrs. László Telegdi, DSc, professor emerita, ÓE

*Reserve member:* Réger Mihály DSc, university professor, ÓE

Dr. Mihály Réger  
university professor  
Chair of the Doctoral School Council





## 73. No. DECISION

### ZEFFER TAMÁS ATDI 2nd year PhD student's topic discussion

#### Sensor circuits implemented with thin-film technology 17 October 2022, ÓE BGK Council Room

#### Present

Tamás Zeffer  
Andrea Csikósné Pap

PhD student  
Supervisor

Balázs Kovács  
János Mizsei  
Béla Szentpáli

OE  
BME  
ELKH EKK MFA

Gábor Harsányi  
Judit Borsa  
Zsolt József Horváth  
Nemcsics  
Mihály Réger

BME, ATDI DIT  
ATDI DIT  
ATDI DIT Ákos  
ATDI DIT  
ATDI DIT

Several questions and suggestions were raised after Tamás Zeffer's presentation. The opinions of those present can be summarized as follows:

- The research report for the 2021/22/2 semester can be considered complete.
- Continuing the work with the incorporation of a new research area, materials science aspects (memristor, ELKH EK MFA, János Volk), the topic may meet the requirements of the materials science doctoral school.
- If the materials science direction does not yield results in the following year, it is recommended to continue doctoral activities in the doctoral school of electrical engineering.

Mihály Réger, university  
professor  
Head of the doctoral school



Ref. no.: ÓE-BGK ATDIT 1698/2022

Date: Budapest, October 27, 2022

**Subject:** core member, DIT member

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

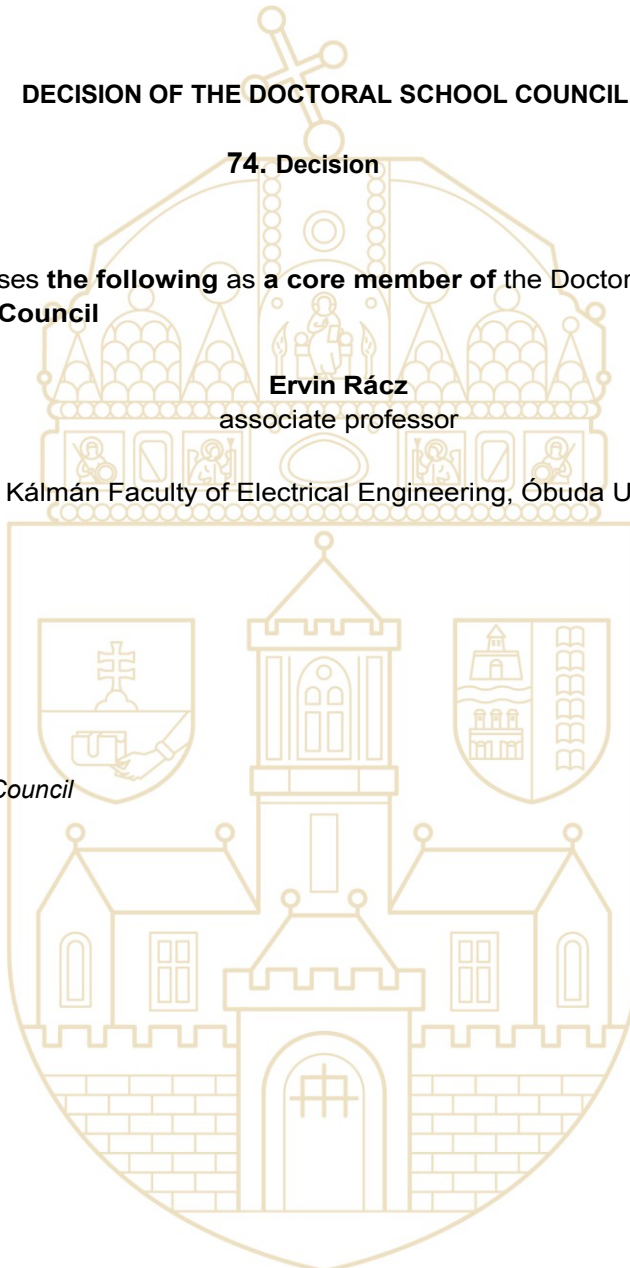
### 74. Decision

1. The Council proposes **the following** as **a core member of the Doctoral School** and **a member of the Doctoral School Council**

**Ervin Rác**  
associate professor

lecturer at the Kandó Kálmán Faculty of Electrical Engineering, Óbuda University.

Dr. Mihály Réger  
university professor  
Chair of the Doctoral School Council





Ref. no.: ÓE-BGK ATDIT 1737/2022

Date: Budapest, November 8, 2022

**Subject:** new core member, awarding of PhD degree

**DECISION OF THE DOCTORAL SCHOOL COUNCIL**

**75. Decision**

1. The Council recommends Péter Kádár **as a core member of** the Doctoral School.

**Péter Kádár**  
university professor

lecturer at the Kandó Kálmán Faculty of Electrical Engineering, Óbuda University.

2. The Council recommends

**Richárd Nagy**

be awarded a **PhD degree** with a "Summa cum laude" rating.

Dr. Mihály Réger  
*university professor*  
*Chair of the Doctoral School Council*



**Ref. no.:** ÓE-BGK 1876/2022  
**Date:** Budapest, December 7, 2022

**Subject:** new instructor, new topic, change of topic, change of supervisor, PhD degree

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

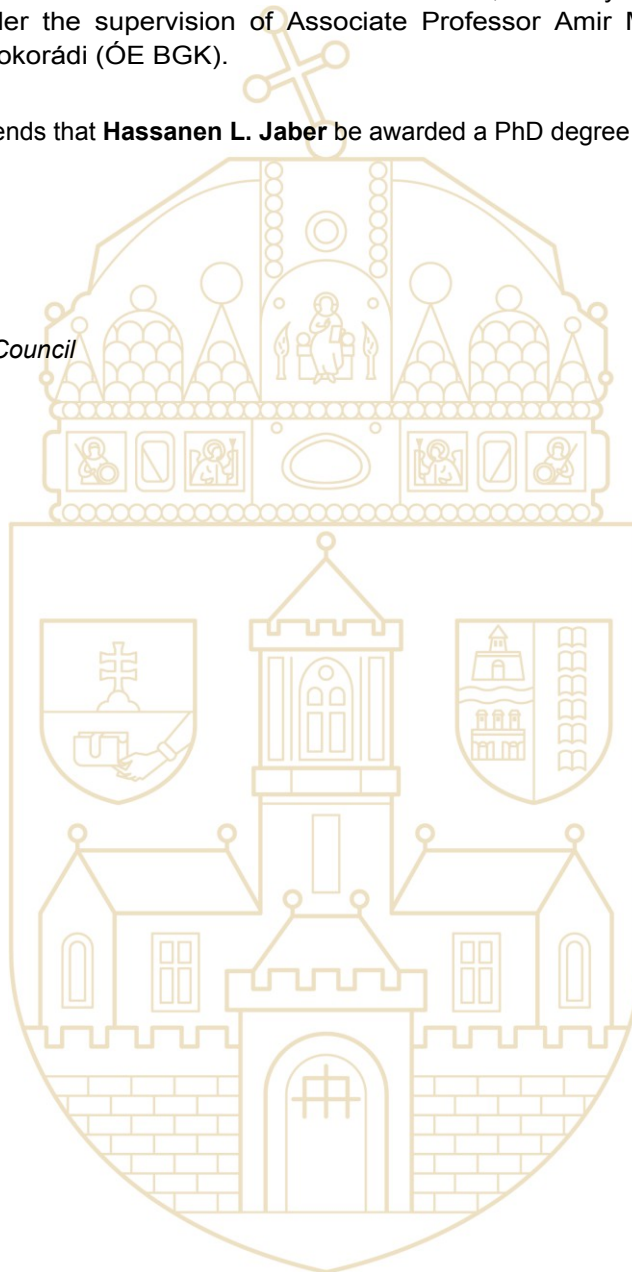
### 76. Decision

1. The Council admits the following to the teaching staff of the Doctoral School
  - a) **Ádám Gali**, university professor, lecturer at the Faculty of Natural Sciences of the Budapest University of Technology and Economics, deputy scientific director of the ELKH Wigner Research Centre for Physics, Institute of Solid State Physics and Optics,
  - b) **Amir Mosavi**, associate professor, lecturer at the Neumann János Faculty of Informatics, Óbuda University,
  - c) **Dániel Dániel** research researcher, the ELKH Energy Research Center.
2. The Council supplements the training plan with the following topics:
  - a) Friction and load-bearing characteristics of metal/polymer and polymer/polymer material pairs (Mihály Réger)
  - b) Materials science investigation of nanostructures composed of elements belonging to group IV (Ádám Gali)
  - c) New electrode materials for biopotential measurements (Gergely Márton)
  - d) Computational photocatalysis (András Stirling)
  - e) Deep-freeze heat treatment of tool steels (Péter Pinke, László Tóth)
  - f) Development and application of two-phase microfluidic systems for bioanalytical purposes (Péter Fűrjes)



3. The Council approves the change of research topic by **Róbert Kohlhéb**, 1st-year PhD student:  
Modeling of transformation processes in welding heat cycles *instead of* Friction and load-bearing characteristics of metal/polymer and polymer/polymer material pairs
4. The Council approves that **Mohammed Mudabbiruddin**, a third-year student, will continue his research work under the supervision of Associate Professor Amir Mosavi (ÓE NIK) instead of Professor László Pokorádi (ÓE BGK).
5. The Council recommends that **Hassanen L. Jaber** be awarded a PhD degree with *summa cum laude* honors.

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council





Ref. no.: ÓE-BGK 187/2023

Date: Budapest, February 14, 2023

**Subject:** student reports, final exams, new instructor, new topic,  
new subject, change of subject, admission, accreditation, defense  
committee

**DECISION OF THE DOCTORAL SCHOOL  
COUNCIL**

**77. Decision**

1. Based on the **students'** written reports and presentations at the end-of-semester conference, the Doctoral Council **approves the following students' "Research Project" and "Research Report" subjects:**

Al-hilfi Ali, Anita Bányai, Lilia Bató, Lajos Norbert Berecz, Dóra Bereczki, Ismaeel Noor Taha, Kaou Houria Maroua, Khan Kashif Ullah, Tamás Kloknicer, Róbert Kohlhéb, Eszter Lencz, Attila Marczis, Mgherony Abdul Whab, Mohammed Mudabbiruddin, Anikó Moór, Deshabrato Mukherjee, Ferenc Oláh, Zsuzsanna Olesnyovicsné Szabadi, Achraf Radi, Márton Schramkó, Mariam Shbanah, Róbert Stadler, Levente Széles, Zoubeida Taha, Ramiro Sebastian Vargas Cruz, Tamás Zeffer, Zereay Nugusse Berhane

2. The Council grants absolution to the following students:

- a) Anita Bányai (278 credits)
- b) Vargas Cruz Ramiro Sebastian (324 credits)

3. The Council admits the following to the teaching staff of the Doctoral School

**György Györök, university professor,**

lecturer at the Alba Regia Faculty of Engineering at Óbuda University.

4. The Council supplements the **training plan with the following topics:**

- a) Multicomponent nanoparticles and assemblies as novel platforms for (electro)catalysis (Dániel Zábó)
- b) Changes in the material structure of nuclear power plant fuel elements under accident conditions (Zoltán Hózer)



- c) Structural integrity issues in large pressure-retaining systems (Zoltán Hózer)
- d) Development of new joints in bow structures, material development, fiber reinforcement, surface treatment and weight reduction using modern materials and composites (Enikő Réka Fábián)
- e) The effect of shielding gases on ultraviolet radiation generated during arc welding (Tünde Anna Kovács, Péter Pinke)
- f) Life cycle analysis: processes related to electric battery manufacturing (György Györök)

5. The Council supplements the **training plan with** the following **subjects**:

- a) Hydrobiology (Rita Bodáné Kendrovics) 6 credits
- b) Scientific paper writing (Tünde Kovács) 3 credits

6. The Council authorizes **Márton Schramkó**, a third-year PhD student, to change his research topic:

*Instead of* investigating the mechanism of weld crack formation, the effect of shielding gases on ultraviolet radiation generated during arc welding

7. **Recordings**

The Council **recommends the admission of** the following applicants to **full-time scholarship programs**:

- a) **Szabolcs Czene 100 points**  
Topic: Materials science investigation of nanostructures composed of elements belonging to group IV  
Supervisor: Ádám Gali, DSc, university professor, BME, deputy scientific director, ELKH Wigner Research Centre for Physics, Institute of Solid State Physics and Optics
- b) **László József Mónus 100 points**  
Topic: Creation of new bonds in the structure of bows, material development, fiber reinforcement, surface treatment and weight reduction using modern materials and composites  
Supervisor: Enikő Réka Fábián PhD, associate professor, ÓE BGK



c) **Zsombor Szomor 100 points**

Topic: Two-phase microfluidic systems Development and for  
bioanalytical purposes

Supervisor: Péter Fűrjes Péter PhD Laboratory Manager,  
ELKH EK MFA  
Microsystems Laboratory

d) **Viktor Vass 100 points**

Topic: Life cycle analysis: Electric battery manufacturing related  
processes

Supervisor: György Györök

**for organized cost-reimbursed training:**

**István Elek Kiss 60 points**

Topic: Dynamic arc stabilization options for consumable electrode gas-shielded MIG/MAG  
robot welding

Supervisor: Károly Széll PhD, assistant professor, ÓE ARMK

**Individual preparation:**

a) **Róbert Farkas 100 points**

Topic: Nuclear power plant fuel elements material structure  
under under accident conditions

Supervisor: Zoltán Hózer DSc, Head of Laboratory, ELKH EK AEKI

b) **Tamás Fekete 100 points**

Topic: Structural integrity issues in large pressure systems Supervisor: Zoltán Hózer, DSc,  
Laboratory Manager, ELKH EK AEKI

The Council **does not recommend the admission** of applicants applying for individual preparation

**Mohammadreza Azodinia PhD 35 points**

Topic: Computational Materials Design Innovations with Machine Learning

Supervisor: Mosavi Amir PhD, Associate Professor, ÓE NIK

**Justification**

- The specified topic is not related to materials science
- The applicant's preliminary studies do not correspond to the MSc degrees specified in the Doctoral School's training plan.
- The applicant's list of publications does not contain any elements of materials science



8. The Council has made the following decision regarding the accreditation applications received:

a) **it accepts** the following subjects and grades **into the program**

From the preliminary studies of **Szabolcs Czene** (ELTE PhD program)

Enrichment methods in atomic spectroscopy EA	6 credits	Excellent (5)
Theory and measurement techniques of NMR spectroscopy	6 credits	Excellent (5)
NMR spectroscopy of solids	6 credits	Good (4)
Structural analysis of nanoparticles and nanosystems	6 credits	good (4)
Biomolecular mass spectrometry	6 credits	excellent (5)
Surface chemistry of biomaterials EA	6 credits	excellent (5)
Physical Organic Chemistry EA	6 credits	average (3)
Theoretical Organic Chemistry II.	6 credits	excellent (5)

b) **not accepted into the program**

From **Tamás Zeffer's** preliminary studies (PPKE PhD program)

Application specific integrated circuit design (2006)  
Cellular analog computers (2005)

**Justification**

- The course programs cannot be authentically verified.
- The Council does not wish to accept subjects completed more than 10 years ago.

9. The Council recommends the public defense of **Nikolett Hegedűs's** PhD thesis as follows:

*Title of the dissertation:*

Investigation of silicon and silicon nitride thin films produced by radio frequency sputtering *Supervisors:*  
Csaba Balázsi, Katalin Balázsi, ELKH EK MFA

**Workplace  
discussion**

*Location:* ELKH EK

*Preliminary  
reviewers:*

Miklós Fried, DSc, scientific advisor, ELKH EK MFA Zoltán Károly,  
PhD, head of department, ELKH TTK



**Public defense**

*Location:* ÓE BGK Council Room (1081 Budapest, Népszínház utca 8.) and online (BBB)

*Chair:* Mrs. László Telegdi, DSc, professor emerita, ÓE

*Deputy Chair:* Judit Borsa, CSc, Professor Emerita, ÓE

*Secretary:* Tünde Kovács, PhD, associate professor, ÓE

*Opponents:*

Zoltán Károly, PhD, Head of Department, ELKH TTK

Attila Csik, PhD, senior research fellow, ATOMKI

*Reserve reviewer:* Péter Baumli, PhD, university professor, University of Miskolc

*Members:*

Zsolt József Horváth, DSc, professor emeritus, ÓE

Jenő Gubicza, DSc, university professor, ELTE

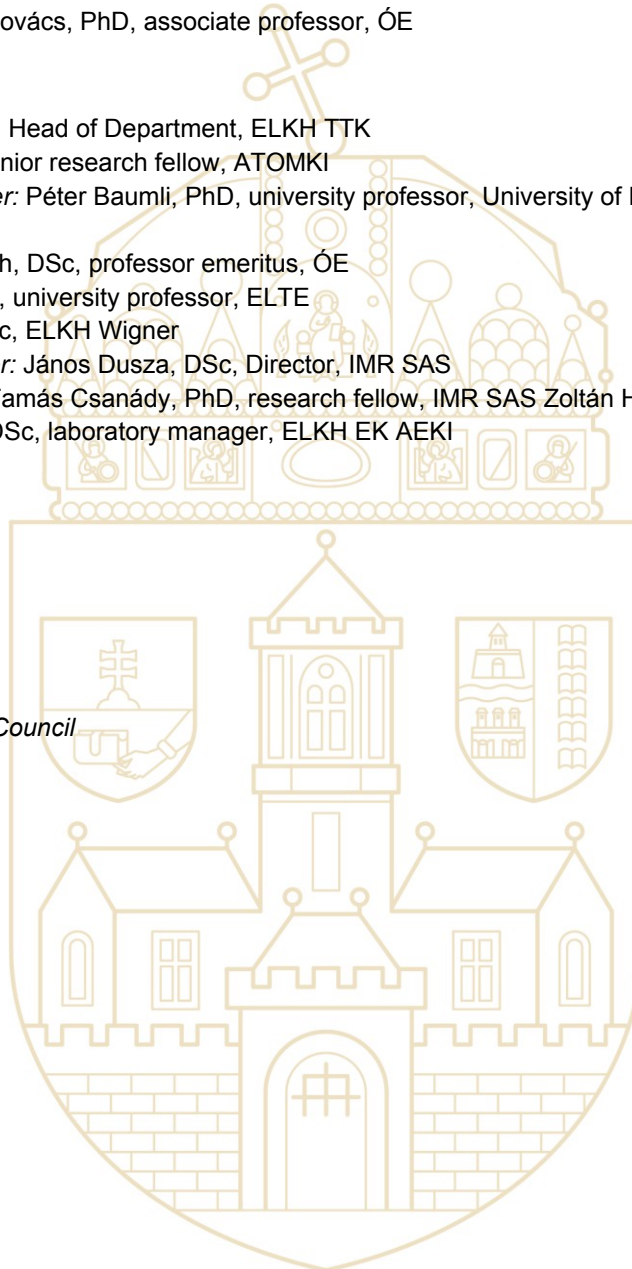
Sándor Pekker, DSc, ELKH Wigner

*Reserve member:* János Dusza, DSc, Director, IMR SAS

Tamás Csanády, PhD, research fellow, IMR SAS Zoltán Hózer,

DSc, laboratory manager, ELKH EK AEKI

Dr. Mihály Réger  
university professor  
Chair of the Doctoral School Council





Ref. no.: ÓE BGK ATDIT 491/2023

Date: Budapest, April 11, 2023

**Subject:** new lecturer, new core member, course acceptance, complex exams, defense committee, habilitation committee

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 78. Decision

10. The Council admits the following to **the teaching staff** of the Doctoral School

**Mária Marosné Berkes, university professor,**

lecturer at the Bánki Donát Faculty of Mechanical and Safety Engineering at Óbuda University,  
and

**Imre Felde, university professor,**

lecturer at the Neumann János Faculty of Information Technology at Óbuda University.

11. The Council recommends the following **as core members** of the Doctoral School

**Mária Marosné Berkes, university professor, and  
Imre Felde, university professor.**

12. The Council **accepts** the following subjects **into the training program, each** worth 6 credits:

Development and application of nature-inspired algorithms (AIAMD1, Imre Felde) Measurement  
planning, evaluation of results (AIAMD1, Ervin Rácz)

Empirical models, mathematical modeling (BDI, Richárd Horváth)

13. The Council **accepts the following subjects** from **Szabolcs Czene's** preliminary studies (ELTE  
PhD program)

Supervised research I-IV

4x15 credits, signature: 60 credits



Report I-II

2x6 credits, signature: 12 credits

14. The Council recommends the following committees **for complex examinations**:

a) **Lilia Bató**

Committee chair: Prof. Emeritus Zsolt József Horváth, ÓE KVK Committee  
members: Erzsébet Takács DSc, ELKH EK EKI

Lászlóné Telegdi DSc, professor emeritus, ÓE RKK

Subjects: Semiconductor devices and technologies (Zsolt József Horváth)

Selected chapters from material testing methods I (SEM, AFM, FTIR)

(Erzsébet Takács, László Telegdi) Topic:

Cellular analytical microfluidic microsystems for active ingredient testing Supervisor: Péter Fűrjes  
PhD, senior research fellow, laboratory manager, ELKH EK MFA

b) **Berhane, Nugusse Zereay**

Chair of the committee: Lászlóné Telegdi, DSc, professor emerita, ÓE RKK

Committee members: Erzsébet Takács, DSc, ELKH EK EKI

Péter Petrik, DSc, scientific advisor, ELKH EK MFA Subjects:

Selected chapters of material testing methods I. (SEM, AFM, FTIR)

(Erzsébet Takács, László Telegdi)

Optical characterization of thin layers (Péter Petrik) Topic: Non-  
destructive Optical Mapping Tools From Cheap Parts Supervisor: Miklós  
Fried, scientific advisor, ELKH EK MFA

c) **Szabolcs Czene**

Chair of the committee: Prof. Emerita Lászlóné Telegdi, DSc, ÓE RKK

Members of the committee: Erzsébet Takács, DSc, ELKH EK EKI

Zoltán Juvancz, DSc, university professor

Topics: Selected chapters from material testing methods (SEM, AFM, FTIR)

(Erzsébet Takács, Lászlóné Telegdi) Modern

separation methods in materials research (Zoltán Juvancz)

Topic: Materials science investigation of nanostructures composed of elements belonging to group IV

Supervisor: Ádám Gali, DSc, scientific advisor, Wigner Research Centre for Physics

d) **Tamás Fekete**

Chair of the committee: Endre Ruzinkó, DSc, university professor, ÓE BGK

Committee members: Tünde Anna Kovács PhD, associate professor, ÓE BGK Péter

Trampus DSc, professor emeritus, University of Dunaújváros

Subjects: Fracture mechanics (Tünde Anna Kovács) Materials  
for nuclear power plants (Péter Trampus)

Topic: Modern methodology for structural integrity analysis of large pressure-retaining systems



methodology

Supervisor: Zoltán Hózer, DSc, scientific advisor, laboratory manager, ELKH EK AEKI

e) **Eszter Lencz**

Chair of the committee: Prof. Emerita László Telegdi, DSc, ÓE RKK

Committee members: Erzsébet Takács, DSc, ELKH EK EKI

Lívía Kokasné Palicska PhD, CEO, INNOVATEXT Textile Industry  
Technical Development and Testing Institute Ltd.

Subjects: Selected chapters from material testing methods (SEM, AFM, FTIR)

(Erzsébet Takács, Lászlóné Telegdi)

Functional textile and clothing products (Lívía Kokasné Palicska)

Topic: Preservation of works of art made from artificial fibers using materials science methods

Supervisors: Mariann Halász, university professor, ÓE RKK

Gábor Tamás Orosz, PhD habilitated associate professor, ELTE IK

f) **Mukherjee, Deshabrato**

Chair of the committee: Prof. Emerita László Telegdi, DSc, ÓE RKK

Members of the committee: Erzsébet Takács, DSc, ELKH EK EKI

Miklós Fried, DSc, ELKH EK MFA

Subjects: Selected chapters of materials testing methods (Erzsébet Takács, Telegdi  
Lászlóné)

Optical characterization of thin layers (Miklós Fried)

Topic: Development of high-sensitivity optical methods for the monitoring of interfaces

Supervisor: Péter Petrik, scientific advisor, ELKH EK MFA

g) **Ismaeel, Noor Taha**

Chair of the committee: Prof. Emerita Lászlóné Telegdi, DSc, ÓE

Committee members: Péter Petrik, DSc, scientific advisor, ELKH EK MFA Katalin

Balázsi, PhD, laboratory manager, ELKH EK MFA

Subjects: Optical characterization of thin layers (Péter Petrik).

Transmission electron microscopy for structural investigations of different materials (Katalin  
Balázsi)

Topic: Combinatorial preparation and characterization methods for high through-put study of advanced  
functional materials

Supervisor: Miklós Fried, Scientific Advisor, ELKH EK MFA

h) **Ferenc Oláh**

Chair of the committee: Tamás Réti, DSc, professor emeritus, ÓE BGK

Committee members: Viktor Gonda PhD habilitated associate professor, ÓE BGK László

Kuzsella PhD associate professor, University of Miskolc

Subjects: Finite element modeling of materials technologies (Viktor Gonda)



Modeling thermally activated transformation processes in alloys (Tamás Réti)

Topic: Investigation of the characteristics of surface layers and coatings

Supervisor: Richárd Horváth, PhD, associate professor, ÓE BGK

i) **Shbanah, Mariam**

Chair of the committee: Judit Borsa, CSc, professor emerita, ÓE RKK

Committee members: Zsolt József Horváth, DSc, professor emeritus, ÓE KVK László  
Kuzsella, PhD, associate professor, University of Miskolc

Subjects: Semiconductor devices (Zsolt József Horváth)

Synthetic fibers and technical textiles (Judit Borsa)

Topic: Development of composite materials for electromagnetic interference (EMI) shielding

Supervisor: Tünde Anna Kovács PhD habilitated associate professor, ÓE BGK

j) **Zoubeida Taha**

Chair of the committee: Judit Borsa, CSc, professor emerita, ÓE

RKK Members of the committee: Károly Belina, CSc, professor  
emeritus, NJE

Sándor Pekker, DSc, Research Professor, ÓE, ELKH Wigner Research Centre  
for Physics

Subjects: Polymer chemistry and physics (Sándor Pekker)

Investigation of plastics and plastic composites (Károly Belina) Topic:

Preparation and investigation of nanocomposites with polymer matrix Supervisor: Andrea  
Ádámné Major, associate professor, NJE

k) **Tamás Zeffler**

Chair of the committee: Zsolt József Horváth, professor emeritus, ÓE

Committee members: Zoltán Fekete PhD senior research fellow PPKE

Gábor Harsányi, DSc, professor, BME Subjects:

Semiconductor devices and technologies (Zsolt József Horváth)

BioMEMS: miniaturized biosensors (Zoltán Fekete) Topic: Phase-

change layer-based neuromorphic sensor Supervisor: Andrea Csikósné Pap

PhD, associate professor, ÓE KVK Advisor: János Volk PhD, research fellow,

ELKH EK MFA

15. The Council recommends the following for conducting **public PhD defenses**:

**Bálint Varga**

Title of thesis: Investigation of the micro- and macro-accuracy of free-form milled surfaces

Supervisor: Balázs Mikó PhD habilitated associate professor, ÓE BGK



### Workplace discussion

Location: ÓE BGK

Preliminary reviewers: Csaba Felhő, PhD, associate professor,  
ME Márton Takács, PhD, associate professor, BME

### Public defense

Location: ÓE BGK Council Room (1081 Budapest, Népszínház utca 8.)

Chair: Mihály Réger, DSc, professor, ÓE BGK

Reserve chair: Endre Ruzsinkó, DSc, university professor, ÓE BGK

Secretary: Péter Varga, PhD, university assistant professor, ÓE BGK

Opponents: István Gyurika, PhD, associate professor, PE

Csaba Felhő, PhD, associate professor, ME

Members: Márton Takács PhD, associate professor, BME Viktor

Gonda, habilitated associate professor, ÓE BGK Árpád

Czifra PhD, associate professor, ÓE BGK

Reserve member: Attila Friedrich, PhD, company manager, Mitutoyo Hungaria Kft.

16. The Council recommends that **Tamás Csiszér's** habilitation procedure be conducted as follows

### Habitus Examination Committee:

Chair: Dr. Mihály Réger, habil. DSc, university professor, ÓE

Members: Ildikó Csóka, Dr. habil. PhD, university professor, SZTE  
Marianna Halász, Dr. habil. CSc, university professor, ÓE

### Professional Review Committee:

Chair: Mihály Réger, Dr. habil. DSc, university professor, ÓE

Members: Ildikó Csóka, Dr. habil. PhD, university professor, University  
of Szeged Marianna Halász, Dr. habil. CSc, university  
professor, ÓE Hajnalka Hargitai, Dr. habil. PhD, university  
professor, SZE Tamás Réti, Dr. habil. DSc, university  
professor, ÓE Béla Palotás, Dr. habil. CSc, professor  
emeritus, DUE  
Dr. Tünde Anna Kovács, PhD, associate professor, ÓE

### Reserve:

Péter János Szabó, DSc, university professor, BME László  
Pokorádi, DSc, university professor, ÓE

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council



**Ref. no.:** ÓE-BGK ATDI 672/2023

**Date:** Budapest, May 23, 2023

**Subject:** defense committee, new instructor, new topic, admission, final examination, dismissal of student, new co-supervisor, formal requirements for student reports and work plans, ATDI self-assessment

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 79. Decision

17. The Council recommends **Ali Alhilfi's** public PhD defense as follows:

*Title of the dissertation:*

The Effect of Ultrasound on the Inelastic Deformation of Metals *Supervisor:* Endre Ruzinkó, DSc, university professor, ÓE

**Workplace discussion**

*Location:* Óbuda University, Bánki Faculty, Budapest VIII. Népszínház utca 8.

*Preliminary reviewers:*

Jurij Sidor, DSc, university professor, ELTE Péter Varga, PhD, university lecturer, ÓE

**Public defense**

*Location:* ÓE BGK Council Room (1081 Budapest, Népszínház utca 8.) and online (BBB)

*Chair:* Judit Borsa CSc, professor emerita, ÓE

*Reserve chair:* Mihály Réger, DSc, university professor, ÓE

*Secretary:* Judit Lukács PhD, associate professor, ÓE

*Opponents:*

Jurij Sidor, DSc, university professor, ELTE Viktor Gonda, PhD, associate professor, ÓE

*Reserve reviewer:* János Dusza, DSc, Director, IMR SAS

*Members:*

László Tóth, CSc, Research Professor, Univ. of Lorraine, Lab. of Excellence 'DAMAS' Imre Czinege, CSc, Prof. Emeritus, SZE

Péter Varga PhD, university lecturer, ÓE

*Reserve member:* János Dusza, DSc, Director, IMR SAS



Tamás Réti, DSc, professor emeritus, ÓE  
Alexis Rusinek PhD, Lorraine University, Metz, France

18. The Council admits the following to the teaching staff of the Doctoral School

**Péter Dombi**

physicist, scientific advisor, Deputy Director of the Institute of Solid State Physics and Optics at the ELKH Wigner Research Centre for Physics, and

**Péter Rácz**

physicist, senior research fellow at the ELKH Wigner Research Centre for Physics, Institute of Solid State Physics and Optics.

19. The Council supplements the Training Plan with the following topics:

- a.) Investigation of the laser damage threshold of innovative optical elements (Péter Dombi, Péter Rácz)
- b.) Integrated MEMS force sensors in medical technology: minimally invasive and implantable systems (Péter Fűrjes, János Volk)
- c.) Automotive electric motors in applied technology technology used in the winding of electric motors in the automotive industry (Mária Marosné Berkes)
- d.) Research into materials science and technological processes supported by bio-inspired methods (Imre Felde)
- e.) Research into materials science and technological processes supported by bio-inspired methods (Imre Felde)

20. The Council confirms the admission scores for applicants for the Stipendium Hungaricum scholarship

- a) Wasan Abdullah Alkaron Iraq (supervisors: Csaba Balázs, Katalin Balázs) 100 points
- b) Yodit Birhanu Bereda Ethiopia (supervisors: Csaba Balázs, Katalin Balázs) 100 points
- c) Minhalina binti Ahmad Buhairi Malaysia (supervisor: Tünde Kovács) 100 points
- d) Sara Ines Moussaoui Algeria (supervisors: János Dusza, Péter Pinke) 100 points
- e) Ouddoud Hanane Morocco (supervisor: Tünde Kovács) 90 points

21. The Council grants absolution to the following students

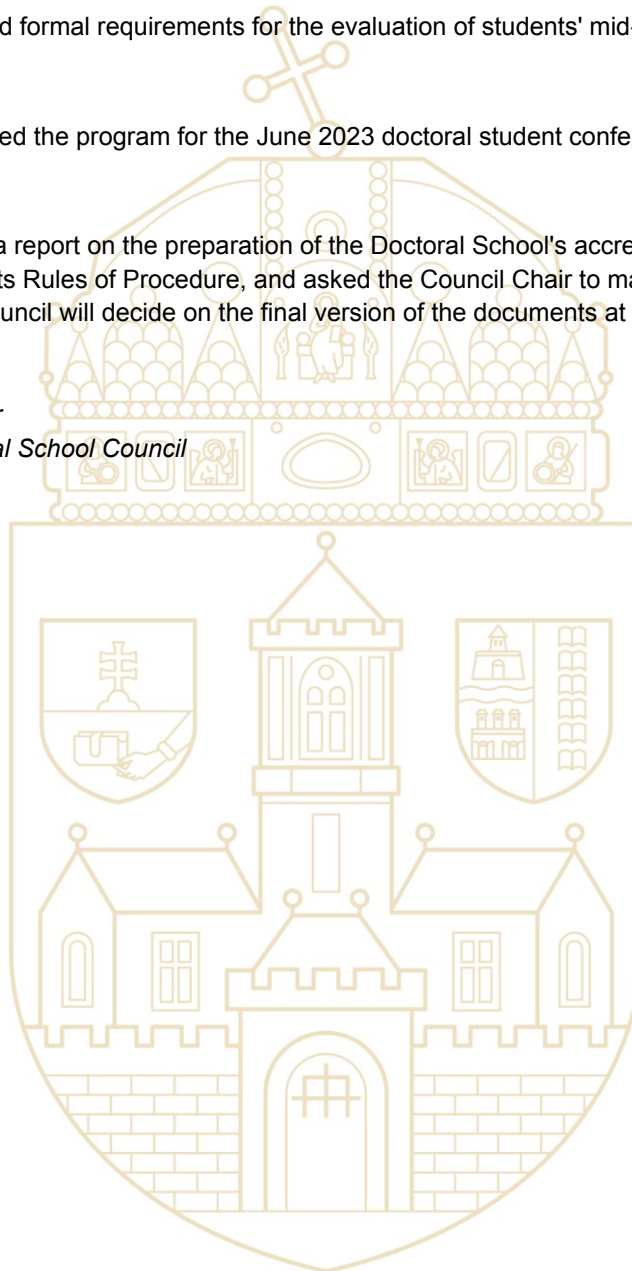
Al-Hilfi Ali Hameed (494 credits)  
Mgherony Abdul Whab (352 credits)

22. The Council dismisses PhD student Dao Duy Anh, who did not enroll after two passive semesters.



23. The Council requests **János Volk**, research fellow at ELKH MFA, to supervise the research of PhD student Tamás Zeffer as co-supervisor with Andrea Csikósné Pap, associate professor.
24. The Council adopted formal requirements for the evaluation of students' mid-term work and the preparation of their work plans.
25. The Council approved the program for the June 2023 doctoral student conference and the DIT review committees.
26. The Council heard a report on the preparation of the Doctoral School's accreditation self-evaluation and the amendment of its Rules of Procedure, and asked the Council Chair to make the necessary corrections. The Council will decide on the final version of the documents at its next meeting.

Dr. Mihály Réger  
*University Professor*  
*Chair of the Doctoral School Council*





Ref. no.: ÓE-BGK ATDI 812/2023

Date: Budapest, June 6, 2023

**Subject:** new topic, habilitation committee

**TO THE DOCTORAL SCHOOL COUNCIL**

**80. decision**

27. The Council supplements the Training Plan with the following topics:

- a. Biopolymer-hydroxiapatite for bioapplication fields (Csaba Balázs, Katalin Balázs)
- b. Hybrid polymer/ceramic filters for water cleaning (Csaba Balázs, Katalin Balázs)
- c. Increasing the fracture toughness of high-entropy ceramics with nano-additives (János Dusza  
Toughening of high-entropy ceramics by low-dimensional nanomaterials)
- d. The effect of heat treatments on the efficiency of nitriding in 3D-printed titanium alloys (Tünde Anna Kovács)  
The different heat treatment effects for the nitridation efficiency of the 3D-printed titanium alloy
- e. Increasing the wear resistance of dental implants manufactured using additive technology with PVD coating (Tünde Anna Kovács)  
Wear resistance Increasing PVD coating for a dental implant made by additive technology
- f. High-strength steels cutting cutting during material changes in material structure (Enikő Réka Fábán)

28. The Council recommends that **Ágota Horváthné Drégelyi's** habilitation procedure be conducted as follows

**Habitus Examination Committee:**

Chair: Judit Borsa, Dr. habil. CSc, Prof. Emeritus, ÓE  
Members: Sándor Kemény, Dr. habil. DSc prof. emer., BME Gyula Hermann, Dr. habil. CSc



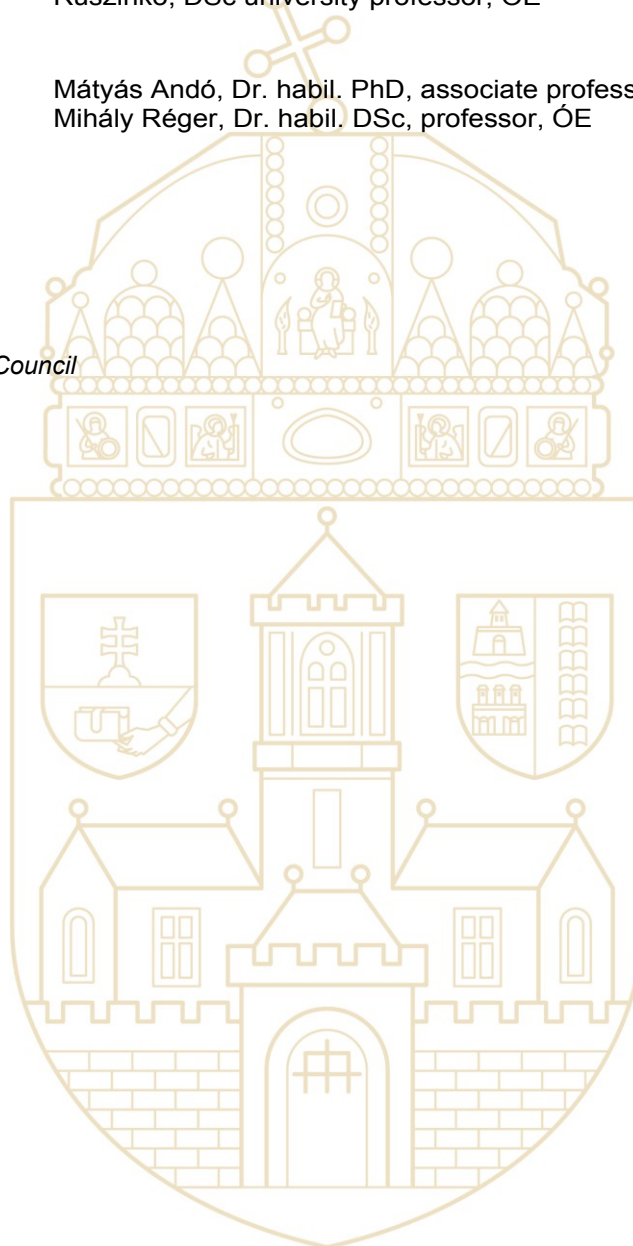
**Professional Review Committee:**

Chair: Judit Borsa, Dr. habil. CSc, Prof. Emeritus, ÓE  
Members: Sándor Kemény, Dr. habil. DSc Prof. Emeritus, BME  
Gyula Hermann, Dr. habil. CSc  
Marianna Halász, Dr. habil. CSc, university professor, ÓE  
Tamás Réti, Dr. habil. DSc, university professor, ÓE  
Dr. Enikő Bitay, PhD MTA kt. university professor, Sapientia Dr. Endre Ruzinkó, DSc university professor, ÓE

**Reserve:**

Mátyás Andó, Dr. habil. PhD, associate professor, ELTE  
Mihály Réger, Dr. habil. DSc, professor, ÓE

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council





**Ref. no.:** ÓE-BGK 841/2023

**Date:** Budapest, 07.04.2023

**Subject:** new lecturer, new topic, admission, transfer of students,  
mid-year report, PhD defense committee, accreditation self-assessment, and Rules of Procedure

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 81. Decision

29. The Council admits

**Dr. László Gyura**, employee of Linde Gáz Magyarország Zrt.

**Dr. Ádám Vida**, employee of Bay Zoltán Applied Research Nonprofit Ltd.

30. The Council supplements the Training Plan with the following topics:

- g. The applicability of high-entropy alloys on surfaces exposed to wear (Enikő Réka Fábán)
- h. Investigation of the oxidation conditions and stability of high-entropy alloys intended for high-temperature use (Enikő Réka Fábán)
- i. Lead-free solder joints manufacturing technology development and reliability tests (Viktor Gonda)
- j. Investigation and development of the surface technology and tribological behavior of modern, multi-layer PVD/PACVD coatings applicable to plastic industry tools (Mária Marosné Berkes, Richárd Horváth)

31. The Council recommends **the admission of** the following applicants **to the**

**Doctoral School: Scholarship training**

János Márk Bozorádi

*Topic:* Integrated MEMS force sensors in medical technology

*Supervisors:* Péter Fűrjes PhD, laboratory manager, ELKH EK MFA

János Volk PhD, Research Fellow, ELKH EK MFA

Béla Bódi

*Topic:* Development of manufacturing technology and reliability testing of lead-free solder joints

*Supervisor:* Viktor Gonda PhD, habil. associate professor, ÓE BGK



Ádám Inger

*Topic:* Testing the laser damage threshold of innovative optical elements

*Supervisors:* Péter Dombi, DSc, Wigner Research Centre for Physics Péter Rácz, PhD, Wigner Research Centre for Physics

János Kuti

*Topic:* Material structure changes during thermal cutting of high-strength steels

*Supervisors:* Enikő Réka Fábíán PhD, Associate Professor, ÓE BGK László Gyura PhD, Linde Gáz Magyarország Zrt.

Attila Széll

*Topic:* Investigation and development of the tribological behavior of modern, multi-layer super-hard coatings

*Supervisor:* Mária Marosné Berkes, PhD, university professor, ÓE BGK Richárd Horváth, PhD, associate professor, ÓE BGK

#### **Part-time fee-based training**

Ferenc Hareancz

*Topic:* The applicability of high-entropy alloys on surfaces exposed to wear

*Supervisors:* Enikő Réka Fábíán, PhD, associate professor, ÓE BGK  
Ádám Vida PhD Bay Zoltán Applied Research Non-Profit Ltd.

Gergely Juhász

*Topic:* Investigation of the oxidation conditions and stability of high-entropy alloys intended for high-temperature use

*Supervisors:* Enikő Réka Fábíán, PhD, Associate Professor, ÓE BGK  
Ádám Vida, PhD, Bay Zoltán Applied Research Non-Profit Ltd.

#### **Stipendium Hungaricum scholarship for training**

Wasan Abdullah Alkaron (Iraq)

*Topic:* Biopolymer-hydroxiapatite for bioapplication fields

*Supervisors:* Csaba Balázsi, DSc, scientific advisor, ELKH EK MFA  
Katalin Balázsi PhD, senior research fellow, laboratory manager, ELKH EK MFA

Sara Ines Moussaoui (Algeria)

*Topic:* Toughening of high-entropy ceramics by low-dimensional nanomaterials

*Supervisors:* János Dusza, external member of the Hungarian Academy of Sciences, professor emeritus Péter Pinke, associate professor, ÓE BGK



Minhalina binti Ahmad Buhairi (Malaysia)

*Topic:* The different heat treatment effects for the nitridation efficiency of the 3D-printed titanium alloy

*Supervisor:* Dr. habil. Tünde Anna Kovács, associate professor, ÓE BGK

Yodit Birhanu Bereda (Ethiopia)

*Topic:* Hybrid polymer/ceramic filters for water cleaning

*Supervisors:* Csaba Balázsi, DSc, scientific advisor, ELKH EK MFA

Katalin Balázsi PhD Senior Researcher, Laboratory Manager, ELKH EK MFA

Ouddoud Hanane (Morocco)

*Topic:* Wear resistance Increasing PVD coating for a dental implant made by additive technology

*Supervisor:* Tünde Anna Kovács, Dr. habil., Associate Professor, ÓE BGK

32. The Council recommends **accepting** the following **PhD student for scholarship training** at the University of Miskolc

University's István Sályi Doctoral School of Mechanical Engineering:

Fruzsina Fülöp: four completed semesters, complex exam

*Topic:* Investigation and development of the tribological behavior of modern, multi-layer super-hard coatings

*Supervisor:* Mária Marosné Berkes, PhD, university professor, ÓE BGK

33. The Council approves the completion of the following students' "Research Project" and "Research Report" subjects:

AL-HILFI, Ali 8th semester/Semester No. 8

BBERECZKI Dóra 3rd semester No. 3 KAOU, Houria

Maroua 6th semester No. 6 KHAN, Kashif Ullah 2nd

semester No. 2 KLOKNICER Tamás 2nd semester No. 2

KOHLHÉB Róbert 2nd semester No. 2

Attila MARCZIS 2nd semester No. 2 Abdul Whab

MGHERONY 8th semester No. 8 László József MÓNUS 1st

semester No. 1 Anikó MOÓR 2nd semester No. 2

Zuzsa OLESNYOVICSNÉ SZABADI 2nd semester No. 2 Márton SCHRAMKÓ 3rd

semester No. 3



STADLER Róbert 2nd semester No. 2  
Levente SZÉLES 6th semester/Semester No. 6  
VASS Viktor 1st semester No. 1  
SZOMOR Zsombor 1st semester No. 1

34. The Council does not accept the completion of the "Research Report" subject by the following students

BERECZ Lajos Norbert 2nd semester/Semester No. 2  
MOHAMMED, Mudabiruddin 6th semester No. 6  
RADI, Achraf 7th semester No. 7

35. The Council does not accept the completion of the "Research Project" course by the following students RADI, Achraf 7th semester/Semester No. 7

36. Based on the students' mid-term reports, the Council requests DIT members to perform the following tasks in order to support the students' studies and research work:

Student	task	assigned DIT member
Taha Zoubeida	developing proposals to promote the success of research work and possibly involving a co-supervisor	Judit Borsa
László Mónus	developing proposals to provide students with the knowledge necessary for their specific research topics	Marosné Mária Berkes, Halász Marianna
Olesnyovicsné Zuzsa Szabadi	proposal development student special research to provide the knowledge necessary for the topic of his special xml-ph-0004@deepi.internal research	Mihály Réger

The proposals of the DIT members will be discussed at the DIT meeting in autumn 2023.

37. The Council recommends the following degree award procedures:

**a) Tamás Fekete:**

*Title of the dissertation:* Modern methodology for structural integrity analysis of large pressure systems  
*Supervisor:* Zoltán Hózer DSc Scientific Advisor Laboratory Manager, ELKH EK



### **Workplace discussion**

*Location* ELKH EK

*Opponents:* Gábor Veres, DSc, Scientific Advisor, Head of Laboratory, ELKH EK Péter Trampus, DSc, Professor Emeritus, DUE

### **Public defense**

*Location:* ÓE BGK Népszínház utca 8.

*Chair:* Endre Ruszinkó DSc, university professor, ÓE

*Secretary:* Tünde Kovács, Dr. habil., associate professor, ÓE

*Opponents:* Péter Trampus, DSc, professor emeritus, DUE  
György Gémes, PhD, university professor, BME

*Committee members:* László Tóth, DSc, university professor, DE  
Szabolcs Szávai PhD, Head of Department, Bay Zoltán Applied Research Non-Profit Ltd.

Gábor Veres, DSc, scientific advisor, laboratory manager, ELKH EK

*Substitute members:*

*Chair:* Judit Borsa CSc professor emerita, ÓE

*Secretary:* Viktor Gonda, Dr. habil., associate professor, ÓE

*Opponent:* László Tóth, DSc, university professor, DE

*Committee members:* Balázs Verő, DSc, professor emeritus, DUE  
János Dusza, DSc, external member of the Hungarian Academy of Sciences, professor emeritus, ÓE

### **b) János Kónya:**

*Title of thesis:* Development of surface treatment technology to improve tissue integration of titanium alloy implants manufactured using 3D printing

*Supervisor:* Hajnalka Hargitai, Dr. habil., university professor, Széchenyi István University  
Tünde Anna Kovács, Dr. habil., associate professor, ÓE BGK

### **Workplace discussion**

*Location* ÓE BGK Népszínház utca 8.

*Opponents:* Péter Pinke PhD associate professor, ÓE BGK  
Ibolya Zsoldos, DSc, professor, Széchenyi István University

### **Public defense**

*Location:* ÓE BGK Népszínház utca 8.

*Chair:* Mihály Réger DSc, university professor, ÓE

*Secretary:* Judit Lukács PhD, university lecturer, ÓE



**Opponents:** János Dusza, DSc, external member of the Hungarian Academy of Sciences, professor emeritus, ÓE

Ibolya Zsoldos, DSc, university professor, Széchenyi István University

**Committee members:** Csaba Balázsi, DSc, scientific advisor, ELKH EK MFA

Péter Pinke, PhD, associate professor, ÓE BGK Mária

Berkes, PhD, university professor, ÓE

**Substitute members:**

**Chair:** Judit Borsa CSc professor emerita, ÓE

**Secretary:** Péter Varga PhD, assistant professor, ÓE BGK

**Opponent:** Imre Czinege, PhD, university professor, Széchenyi István University

**Committee members:** Tamás Réti, DSc, university professor, ÓE

István Hatos PhD, assistant professor, Széchenyi István University

38. The Council recommends that **Nikolett Hegedűs** be awarded a PhD degree with a "**Summa cum laude**" rating.

39. The Council approves the self-assessment report to be submitted for accreditation.

40. The Council approves the amendment to the Operating Regulations of the doctoral school.

41. The Council accepts (accredits) the following course of the Doctoral School of Security Sciences with 6 credits, completed by Ferenc Oláh, PhD student of our doctoral school. The course program can be found on the website of the Doctoral School of Security Policy.

Empirical Models, Mathematical Modeling, instructor: Dr. Richárd Horváth

42. The Council recognizes PhD student Anikó Moór's 28 hours (equivalent to 2 hours per week) of teaching at the Hungarian University of Fine Arts, which is worth 4 credits under the ÓE EDHSZ credit regulations. The teaching is certified by an employment contract.

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council



Ref. no.: ÓE-BGK ATDIT 908/2023

Date: Budapest, July 28, 2023

**Subject:** Awarding of PhD degree

**DECISION OF THE DOCTORAL SCHOOL COUNCIL**

**82. Decision**

1. The Council recommends

**Bálint Varga**

be awarded a **PhD degree** with a "cum laude" rating.

Dr. Mihály Réger  
*university professor*  
*Chair of the Doctoral School Council*

Ref. no.: ÓE-BGK ATDIT 1224/2023

Date: Budapest, 29 September 2023

**Subject:** new lecturer, co-supervision, subject accreditation, acceptance of report, extension of submission deadline, change of doctoral school, tuition waiver, accreditation material, 2022/23 report, Bay Z. Cooperation, new subject

**DECISION OF THE DOCTORAL SCHOOL COUNCIL**

**83. decision**



1. The Council appoints the following to the teaching staff of the Doctoral School

**Dr. Ferenc Ronkay**

university professor and lecturer at Neumann János University.

2. The Council invites Dr. Ferenc Ronkay, university professor, to co-supervise **TAHA Zoubeida**, a third-year PhD student, together with Dr. Andrea Major, college professor.

3. The Council accepts the following subjects with their credits into **Szabolcs Czene's** training

Guided research work (signature): 4x15=60 credits  
Report day (signature): 2x6= 12 credits

4. The Council accepts the following subjects into **ZARAMI, Amal's** training:

Research Methodology (4, good): 2 credits  
Application of theoretical chemical methods  
in industrial processes (5, excellent) 10 credits  
Research seminar (5, excellent) 15 credits

5. The Council approves the completion of the following students' "Research Project" and "Research Report" courses:

BERECZ Lajos Norbert 2nd semester  
MOHAMMED, Mudabbiruddin 6th semester  
RADI, Achraf 7th semester

6. The Council extends **the dissertation submission deadline** for the following students in consideration of their personal circumstances and health status:

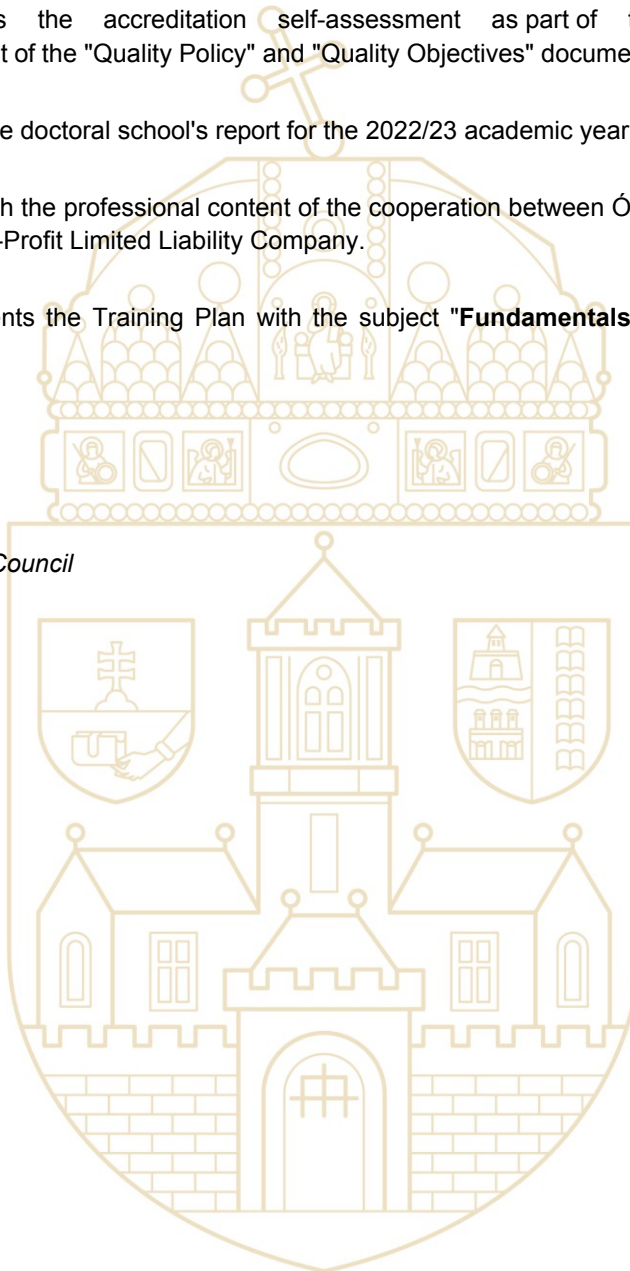
Anikó Bezsenyi	January 31, 2024
Gábor Ladányi	January 31, 2024
Abdulrahman, Kawan	July 5, 2024
Attila Kenéz	June 7, 2024
Barnabás Tóth	June 18, 2024
Zoltán Farkas	December 16, 2025

7. The Council recommends that **MOHAMMED, Mudabbiruddin**, PhD student, continue his studies at the Doctoral School of Applied Informatics and Applied Mathematics, which is professionally competent in his research topic.



8. The Council exempts **Ádám Inger**, a first-year PhD student, from the obligation to pay tuition fees.
9. The Council approves the oral reports on the implementation of Decision No. DIT 81/8 (support for the studies and research work of Taha Zoubeida, László Mónus, and Zuzsa Olesnyovicsné Szabadi).
10. The Council approves the accreditation self-assessment as part of the MAB- submitted the professional content of the "Quality Policy" and "Quality Objectives" documents.
11. The Council accepts the doctoral school's report for the 2022/23 academic year.
12. The Council agrees with the professional content of the cooperation between Óbuda University and Bay Zoltán Applied Research Non-Profit Limited Liability Company.
13. The Council supplements the Training Plan with the subject "**Fundamentals of Materials Science**" (Mária Marosné Berkes).

Dr. Mihály Réger  
*University Professor*  
*Chair of the Doctoral School Council*





Ref. no.: ÓE-BGK ATDIT 1302/2023

Date: Budapest, October 13, 2023

**Subject:** Approval of the Doctoral School Quality Assurance Plan

### DECISION OF THE DOCTORAL SCHOOL COUNCIL

#### 84. Decision

1. The Council approves the Quality Assurance Plan for the doctoral schools of Óbuda University.

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council

**Subject:** degree, credit recognition

Ref. no.: ÓE-BGK ATDIT 1621/2023

Date: Budapest, October 19,  
2023

### DECISION OF THE DOCTORAL SCHOOL COUNCIL

#### 85. Decision

1. The Council recommends that **Eliza Angeli** be awarded a PhD degree with a "**Cum laude**" rating.
2. The Council accepts the following subjects completed in the PhD program at the University of Miskolc into **Amal ZARAMI's** training with their credits:

Molecular simulation of complex systems, molecular design and calculations of thermochemical properties: 10 credits, excellent (5)



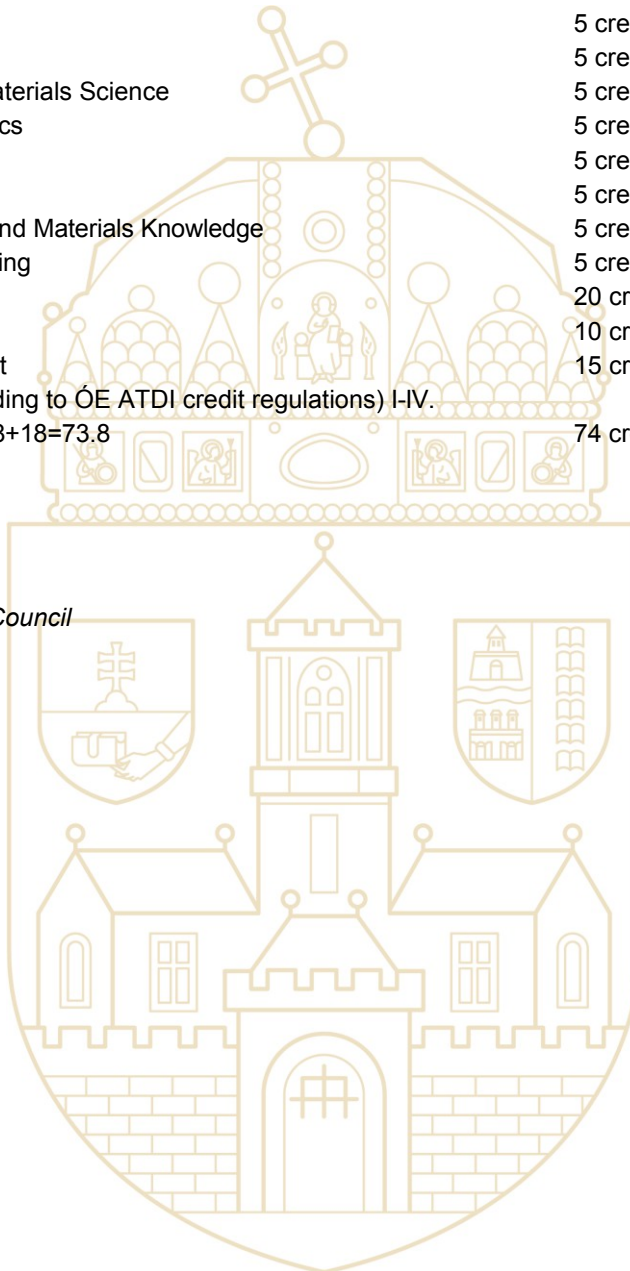
Scientific database management:

2 credits, signature

3. The Council accepts the following subjects completed in the PhD program at the University of Miskolc into **Fruzsina Fülöp's** training with their credits:

Technical ceramics	5 credits, excellent (5)
Modern analysis	5 credits, excellent (5)
Fundamentals of Materials Science	5 credits, excellent (5)
Continuum Mechanics	5 credits, good (4)
Numerical methods	5 credits, excellent (5)
Tribology	5 credits, excellent (5)
Materials Science and Materials Knowledge	5 credits, excellent (5)
Modern surface testing	5 credits, grade (5)
Research seminar	20 credits, signature
Teaching	10 credits, signature
Research and report	15 credits, signature
Publications (according to ÓE ATDI credit regulations) I-IV.	
I-IV.: $18+36+1.8+18=73.8$	74 credits <b>Σ 159 credits</b>

Dr. Mihály Réger  
University professor  
Chair of the Doctoral School Council





Ref. no.: ÓE-BGK ATDIT 1622/2023

Date: Budapest, December 18,  
2023

**Subject:** new lecturers, new core members, new subjects,  
complex exams

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 86. Decision

14. The Council admits her to the teaching staff of the Doctoral School and recommends her as a core member of the Doctoral School.

**Dr. Enikő Bitay**

university professor, external member of the Hungarian Academy of Sciences, lecturer at Óbuda University and Sapientia Hungarian University of Transylvania.

15. The Council admits to the teaching staff of the Doctoral School

**Dr. András Zachár**

university professor, lecturer at Óbuda University.

16. The Council supplements the Training Plan with the following subjects:

- Modern Surface Testing (Mária Marosné Berkes)
- Technical ceramics (Mária Marosné Berkes)
- Technical polymers (Mária Marosné Berkes)
- Heat and fluid modeling and numerical simulation in materials technologies (András Zachár)

- 4) The Council recommends the following committees **for complex examinations**

#### a) Dóra Bereczki

Chair of the committee: Lászlóné Telegdi, DSc, Prof. Emeritus, ÓE



Committee members: Erzsébet Takács, DSc, HUN-REN EK EKI  
Gusztáv Schay PhD, Assistant Professor, SE  
Subjects: Selected chapters from material testing methods I. (Takács E.,  
L. Telegdi)  
Fluorescence spectroscopy (Gusztáv Schay)  
Topic: Microfluidic systems in analytical applications  
Supervisor: Péter Fürjes, Senior Research Fellow, Head of Laboratory, HUN-REN EK MFA

**b) Róbert Farkas**

Chair of the committee: Mihály Réger, DSc, university professor, ÓE  
Committee members: Csaba Balázs, DSc, HUN-REN EK MFA  
Mária Marosné Berkes PhD, Dr. habil. university professor, ÓE  
Subjects: Powder technology (Csaba Balázs)  
Modern surface testing (Mária Marosné Berkes)  
Topic: Nuclear power plant fuel elements material structure  
under under accident conditions  
Supervisor: Zoltán Hózer, scientific advisor, laboratory manager HUN-REN EK AKI

- 5) The Council set the date for the students' mid-term reports for January 25, 2024, determined the students' assignments to the conference sections, and delegated chairs from among the DIT members to each section.
- 6) The Council recommends that **Ali Hameed Alhilfi** be awarded a PhD degree with a "**Cum laude**" rating.

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council



Ref. no.: ÓE BGK ATDI 203/2024

Date: Budapest, February 1, 2024

**Subject:** new topics, admission, degree, new co-supervisor, course completion

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 87. Decision

40. The Council supplements the training plan with the following topics

- a) Complex examination of machinability in the case of various difficult-to-machine alloys (Enikő Réka Fábián, PhD, associate professor, ÓE BGK  
Balázs Mikó PhD habil. associate professor, ÓE BGK)
- b) Investigation of geometric tolerances and manufacturing capabilities in modern tool materials (Balázs Mikó, PhD habil., associate professor, ÓE BGK)

41. Based on the attached minutes of the admissions committee, the Council recommends the admission of the following applicants

**be admitted to the PhD program:**

Ádám Inger Transfer from the 2nd semester to full-time scholarship training

*Topic:* Investigation of the laser damage threshold of innovative optical elements

*Supervisors:* Péter Dombi, DSc, Wigner Research Centre for Physics

Péter Rácz, PhD, Wigner Research Centre for Physics

Béla Mészáros, correspondence student with tuition fees paid, later full-time scholarship student

*Topic:* Complex investigation of machinability in the case of various difficult-to-machine alloys

*Supervisors:* Enikő Réka Fábián PhD, associate professor, ÓE BGK Balázs

Mikó PhD habil. associate professor, ÓE BGK

Viktor Rácz full-time scholarship student

*Topic:* Investigation of geometric tolerances and manufacturing capabilities in modern tool materials



*Supervisor:* Balázs Mikó, PhD habil. associate professor, ÓE BGK

42. The Council recommends awarding **János Kónya** a PhD degree with a "**Summa cum laude**" rating.
43. The Council invites **Dr. Ferenc Ronkay, university professor**, to co-supervise **KHAN Kashif Ullah**, 2nd-year PhD student, together with Dr. Andrea Major, college professor.
44. The Council approves the completion of the "**Research Project**" and "**Research Report**"  
:

Full-time program	Correspondence course
Ferenc Oláh	Tamás Kloknicer
Tamás Zeffer	Sándor Takács
Lília Nató	Zsuzsa Olesnyovicsné Szabadi
Dóra Bereczki	Ádám Inger
Levente Széles	Ferenc Hareancz
Attila Marczis	Gergely Juhász
Robert Gábor Stadler	Deshabrato Mukerjee
Lajos Norbert Berecz	
Robert Kohlheb	<b>Stipendium Hungaricum scholarship holders</b>
Anikó Moór	Kaou Maroua Houria
László József Mónus	Mariam Shbanah
Viktor Vass	Ismaeel Noor Taha
Zsombor Szomor	Zoubeida Taha
Szabolcs Czene	Berhane Nugusse Zereay
János Kuti	Khan Kashif Ullah
János Márk Bozorádi	Alkaron Wasan Abdullah Fadhi
Béla Bódi	Ahmad Buhairi Minhalina Binti
Attila Széll	Sara Ines Moussaoui
Fruzsina Fülöp	

6. The Council does not accept the completion of the "**Research Project**" and "**Research Report**" courses: Radi Achraf  
Zarrami Amal

Dr. Mihály Réger  
*University Professor*  
*Chair of the Doctoral School Council*



Ref. no.: ÓE BGK ATDI 276/2024

Date: Budapest, 12 February 2024

**Subject:** new co-supervisor, dismissal of students

**DECISION OF THE DOCTORAL SCHOOL COUNCIL**

**88. Decision**

1. The Council invites **Dr. Tünde Kovács**, associate professor, to co-supervise Shbanah Mariam, a third-year PhD student, together with Mihály Réger, university professor.
2. The Council dismisses **Achraf Radi**, a Stipendium Hungaricum scholarship student, who had 140 credits at the end of his 8 semesters of study.
3. The Council dismisses **Amal Zarrami**, Stipendium Hungaricum scholarship student, who did not earn any credits in the first semester of the 2023/24 academic year.

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council



Ref. no.: ÓE BGK ATDI 777/2024

Date: Budapest, March 22, 2024

**Subject:** defense committees, new topic, co-supervisor, subject accreditation, dissertation submission deadline, dismissal, student representative

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 89. Decision

1. The Council recommends **Anita Bányai's** public PhD defense as follows:

Title of the dissertation: Investigation and application of particle and cell separation methods in microfluidic systems

Supervisor: Péter Fűrjes PhD, senior research fellow, Hun-Ren EK MFA Industrial consultant: Máté Varga 77 Elektronika Kft

#### Workplace discussion

Location: Hun-Ren EK

Opponents: Andrea Csikósné Pap, PhD, senior research fellow, BME István Csarnovics, PhD, associate professor, University of Debrecen

#### Public defense

Location: ÓE BGK Council Room (1081 Budapest, Népszínház utca 8.)

Chair: Zsolt József Horváth, DSc, professor emeritus, ÓE

Reserve chair, member: Lászlóné Telegdi DSc, Professor Emeritus, ÓE

Opponents: István Csarnovics PhD Associate Professor, University of Debrecen  
András Zachár PhD University Professor, ÓE

Reserve Opponent, Member: Kristóf Iván PhD Associate Professor, Pázmány Péter Catholic University Secretary: Judit Lukács PhD, associate professor, ÓE

Reserve secretary, member: Andrea Csikósné Pap, PhD, senior research fellow, BME

Reserve member: Gergely Márton, PhD, Research Fellow, Hun-Ren TTK

2. The Council recommends the public defense of **Anikó Bezsényi's** PhD thesis as follows:

Title of the dissertation: Increasing the efficiency of wastewater treatment through cometabolism and a highly efficient oxidation process (high-energy ionizing radiation)

Supervisor: Erzsébet Takács, retired university professor, ÓE, retired scientific advisor, Hun-Ren EK EKBI



### Workplace discussion

Location: Hun-Ren EK

Opponents: Vince Bakos PhD, Assistant Professor, BME Department of Biotechnology and Food Science  
Róbert Schiller DSc, Professor Emeritus, HUN-REN Energy Research Center

### Public defense

Location: ÓE BGK Council Room (1081 Budapest, Népszínház utca 8.)

Chair: Lászlóné Telegdi, DSc, Professor Emeritus,

ÓE Reserve Chair, Member: Judit Borsa CSc, Professor  
Emerita, ÓE

Opponents: Róbert Schiller, DSc, professor emeritus, HUN-REN EK

Ágnes Belák PhD Associate Professor, Hungarian University of Agricultural and Life  
Sciences (MATE), Department of Food Microbiology, Hygiene and Safety

Reserve opponent, member: Mónika Kovács PhD, Associate Professor, Hungarian University of Agricultural and  
Life Sciences (MATE), Department of Food Microbiology, Hygiene and Safety

Secretary: Rita Bodáné Kendrovics PhD, Associate Professor, ÓE

Member: Vince Bakos, PhD, Assistant Professor, BME Faculty of Biotechnology and Food  
Sciences

Péter Varga PhD, Assistant Professor, ÓE

Reserve member: Krisztina Demény PhD, assistant professor, ÓE

### 3. The Council recommends **Attila Kenéz's** public PhD defense as follows:

Title of the dissertation: Binding Technologies Applicability in the fastening of segments of drill  
bits segments

Supervisor: Gyula Bagyinszki PhD, associate professor, ÓE BGK

### Workplace discussion

Location: ÓE BGK

Opponents: Péter Pinke, PhD, associate professor, ÓE  
Imre Czinege, CSc, professor emeritus, SZE

### Public defense

Location: ÓE BGK Council Room (1081 Budapest, Népszínház utca 8.)

Chair: Mihály Réger, DSc, university professor, ÓE

Reserve chair: Judit Borsa CSc, professor emerita, ÓE

Opponents: Marcell Gáspár PhD, associate professor, ME

Imre Czinege, CSc, professor emeritus, SZE

Deputy Secretary: Hajnalka Hargitai PhD, university professor, SZE

Secretary: Péter Varga PhD, assistant professor, ÓE

Member: László Gyura PhD, Head of Welding Technology, Linde Gas Hungary Ltd.,  
Honorary Associate Professor, BME  
Péter Pinke PhD Associate Professor, ÓE Tünde  
Kovács PhD Associate Professor, ÓE



Reserve Secretary: Judit Lukács PhD Associate Professor, ÓE  
Reserve member: András Zachár PhD University Professor, ÓE

4. The Council recommends the public defense of **Mgherony Abdul Whab's** PhD thesis as follows  
:

Optimization of ball-end milling tool path in case of free form milling

Supervisor: Balázs Mikó, PhD, associate professor, ÓE BGK

#### Workplace debate

Location: ÓE BGK

Opponents: Csaba Felhő, PhD, associate professor, ME  
Ferenc Gábor Erdős, PhD, associate professor, BME, SZTAKI

#### Public defense

Location: ÓE BGK Council Room (1081 Budapest, Népszínház utca 8.) and online (BBB) ?? Chair  
Endre Ruszinkó, DSc, university professor, ÓE

Reserve chair: Mihály Réger, DSc, university professor, ÓE

Opponents: Ildiko Mankova DSc, university professor, Technical University of  
Košice Ferenc Gábor Erdős PhD, associate professor, BME, SZTAKI

Deputy opponent: István Gyurika, PhD, associate professor, PE

Secretary: Péter Varga PhD, assistant professor, ÓE

Tag: Csaba Felhő, PhD, associate professor, ME

Árpád Cziffra, PhD, associate professor, ÓE

Viktor Gonda, PhD, associate professor, ÓE

Reserve secretary: Judit Lukács PhD, associate professor, ÓE

Reserve member: Gyurika István, PhD, associate professor,  
PE

5. The Council supplements the Training Plan with the following topic:

Extension of precision casting technology through the introduction of new materials and new processes (Enikő Bitay)

6. The Council requests **Zoltán Lábadi**, Senior Research Fellow at HUN-REN EK MFA, to take over the supervision of **Ismaeel Noor Taha**, a 6th semester PhD student, **from Miklós Fried**, Scientific Advisor at HUN-REN EK MFA. The transfer is based on the unanimous recommendation of the former and future supervisors.

7. The Council accepts **the credits earned by Ádám Inger**, a second-semester full-time PhD student, in the correspondence program:

Fundamentals of Materials Science	6 credits
Experiment Design and Evaluation	6 credits
Research Project	10 credits
Research report	6 credits



8. The Council extends **the dissertation submission deadline** for the following students in consideration of their personal circumstances and health status:

Gábor Ladányi  
Ramiro Vargas Cruz

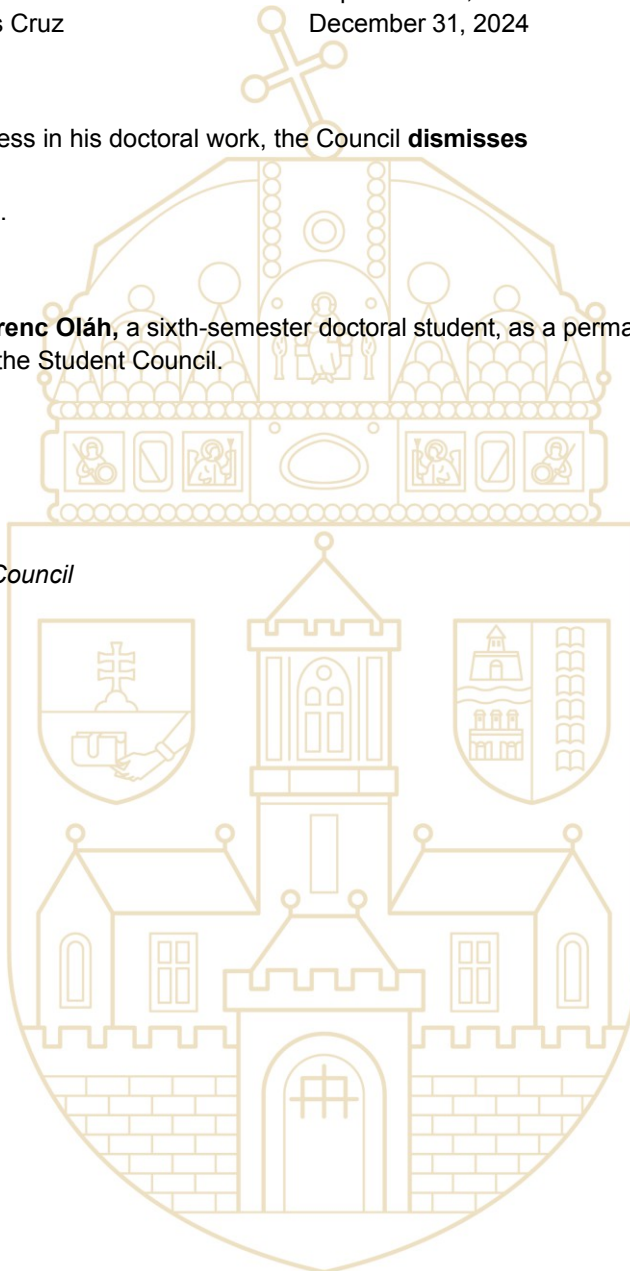
September 30, 2024  
December 31, 2024

9. Due to insufficient progress in his doctoral work, the Council **dismisses**

Barnabás Tóth.

10. The Council accepts **Ferenc Oláh**, a sixth-semester doctoral student, as a permanent student representative at the recommendation of the Student Council.

Dr. Mihály Réger  
*university professor*  
*Chair of the Doctoral School Council*





Ref. no.: ÓE BGK ATDI 1257/2024

Date: Budapest, May 13, 2024

**Subject:** new lecturer, new topics, admission of SH applicants, complex exams, dismissal

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 90. Decision

1. The Council admits **Dr. Attila Bata**, associate professor and head of department at Neumann János University, to the teaching staff of the Doctoral School.
2. The Council **supplements** the **Training Plan** with the following topics:
  - a) Combinatorial preparation and characterization methods for high through-put study of advanced functional materials (Miklós Fried)
  - b) Testing and examination of cladding designs for accident tolerant fuel of nuclear power plants (Zoltán Hózer)
  - c) Investigation of surface roughness in the case of different cutting processes  
Investigation of the surface roughness in the case of different cutting processes (Balázs Mikó)
  - d) Investigating the properties of layered van der Waals electron systems and their heterostructures by scanning probe methods (Péter Nemes-Incze)
  - e) Non conventional solar cells optimization by in terms of various physical parameters  
Development of the polymer liner material for hydrogen tanks, taking manufacturing technology aspects into account (Ferenc Ronkay, Attila Bata)
  - f) Development of a polymer liner material for hydrogen tanks, taking manufacturing technology aspects into account (Ferenc Ronkay, Attila Bata)
  - g) Development of plastics suitable for hydrogen storage for type 4 and type 5 containers (Ferenc Ronkay, Attila Bata)



h) The effect of surface roughness on the metrological characteristics of industrial CT measurements (Ágota Drégelyi-Kiss)

i) Hydrogen diffusion and its interaction with inclusions in large steel castings (András Mucsi)

3. The Council **recommends** awarding the **Stipendium Hungaricum** scholarship to the following applicants:

Adelino João Ganga João Ganga Ngunza/Angola (Ervin Rácz)	100 points
Chao Zeng/China (Miklós Fried)	100 points
Nuriddinov Suratjon/Uzbekistan (Balázs Mikó)	100 points
Seif Eddine Habbachi/Tunisia (Zoltán Hózer)	100 points
Afshin Ghanaei/Iran (András Mucsi)	100 points

4. Due to their professional interests differing from the profile of the Doctoral School, the Council **does not recommend** awarding the **Stipendium Hungaricum** scholarship to the following applicants:

Mohammed Awadh Ali Mahyoub Abbas/Yemen Rehan Ali  
Qureshi/Pakistan

5. The Council recommends the following **for the complex examinations** in the 2023/24/2 semester:

**a) KHAN Kashif Ullah**

Chair: Judit Borsa CSc professor emerita, ÓE  
Member: Károly Belina, Professor Emeritus, Neumann János University Eszter  
Kókai, PhD, Research Fellow, Széchenyi University

Subjects: Physics of Macromolecules (Károly Belina)  
Investigation of plastics and plastic composites (Eszter Kókai)

Topic Preparation and investigation of polymer matrix nanocomposites  
Supervisors: Andrea Ádámné Major, PhD, college professor, János Neumann University Ferenc  
Ronkay, DSc, university professor, János Neumann University

**b) Tamás Kloknicer**

Chair: Lászlóné Telegdi, DSc, professor emerita, ÓE  
Member: Emőke Bardóczyné Székely, PhD, associate professor, Szent István University (MATE)  
Katalin Keresztessy, PhD, senior research fellow, Szent István University (MATE) Erzsébet  
Takács, DSc, professor emerita, HUN-REN EK  
Subjects: Fundamentals of Hydrology (Emőke Bardóczyné  
Székely) Hydrobiology (Katalin Keresztessy)



Topic Intensification of small wastewater treatment plants using microorganisms attached to carrier materials and automated control technology based on mathematical relationships  
Supervisors: Rita Bodáné Kendrovics PhD, associate professor, ÓE Anita Szabó PhD, CEO, Inno-Water Zrt.

**c) Róbert Kohlheb**

Chair Mária Marosné Berkes PhD, university professor, ÓE  
Member: Tamás Réti, DSc, professor emeritus, ÓE  
Hajnalka Hargitai, PhD, university professor, SZE

Subjects: Modeling thermally activated transformation processes in alloys (Tamás Réti)  
Fundamentals of Materials Science (Mária Marosné Berkes)

Topic: Friction and load-bearing characteristics of metal/polymer and polymer/polymer material pairs  
Supervisor: Mihály Réger, DSc, university professor, ÓE

**d) Attila Marczis**

Chair Lászlóné Telegdi, DSc, professor emerita, ÓE  
Member: Erzsébet Takács, DSc, professor emerita, HUN-REN EK  
Balázs Mikó PhD habilitated associate professor, ÓE

Subjects: Selected chapters from materials testing methods I. (Erzsébet Takács, László Telegdi)  
The impact of Industry 4.0 on manufacturing technology (Balázs Mikó)

Topic Industrial CT-based optimization of additive manufacturing processes  
Supervisor: Ágota Horváthné Drégelyi Kiss PhD habilitated associate professor, ÓE

**e) Anikó Moór**

Chair: Judit Borsa, CSc, professor emerita, ÓE  
Member: Mária Marosné Berkes PhD, university professor, ÓE  
András Víg CSc, private university lecturer, BME

Subjects: Protein-based sheet systems (Judit Borsa) Modern surface examinations (Mária Marosné Berkes)

Topic Examination of the early textile collection of the Museum of Applied Arts  
Supervisor: Tünde Tóth, senior research fellow, HUN-REN EK, habilitated associate professor, BME



**f) Márton Schramkó**

Chair: Mihály Réger DSc, university professor, ÓE  
Member: Gyula Bagyinszki PhD Associate Professor, ÓE  
László Kuzsella PhD Associate Professor, ME

Subjects: Welding Technologies I: Bulk Welding (Gyula Bagyinszki) Model Testing of Technical Systems (Mihály Réger)

Topic: Development of a new shielding gas taking into account welding parameters and ultraviolet radiation

Supervisors: Tünde Anna Kovács, PhD, habilitated associate professor Péter Pinke, PhD, associate professor

**g) Róbert Stadler**

Chair: Mária Marosné Berkes PhD, university professor, ÓE  
Member: Tünde Kovács PhD habilitated associate professor, ÓE  
Gábor Szabó PhD associate professor, BME

Subjects: Analysis of damage processes in structural materials (Tünde Kovács) Engineering polymers (Mária Marosné Berkes)

Topic: Development of agitated friction welding technology  
Supervisor: Richárd Horváth PhD associate professor, ÓE

- The Council **dismisses** doctoral student **Sándor Takács** from the program due to failure to fulfill his academic obligations and exempts him from paying tuition fees for the 2023/24/2 semester.
- The Council **dismisses** **Minhalina binti Ahmad Buhairi**, a doctoral student and Stipendium Hungaricum scholarship holder, from the program at her own request due to her intention to transfer to another educational institution.

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council



Ref. no.: **ÓE BGK ATDI 1563/2024**

Date: Budapest, June 10, 2024

**Subject:** Admission

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 91. Decision

45. Based on the attached minutes of the admissions committee, the Council recommends the admission of the following applicants

**for admission to the PhD program:**

- a.) Krisztián Máriy full-time scholarship holder  
*Topic:* Scanning probe investigation of layered van der Waals materials and their heterostructures  
*Supervisors:* Péter Nemes-Incze PhD, research fellow, HUN-REN EK
  
- b.) Áron Lóránd, full-time scholarship holder  
*Topic:* The effect of surface roughness on the metrological characteristics of CT measurements  
*Supervisor:* Dr. Ágota Horváthné Drégelyi-Kiss, PhD, associate professor, ÓE BGK
  
- c.) György Káli, individual preparatory work  
*Topic:* Further development of a non-destructive neutron diffraction testing method based on flight time measurement for archaeological and other museum artifacts to determine and refine spatial and directional characteristics  
*Supervisor:* Dr. Zsolt Kasztovszky PhD, senior research fellow, HUN-REN EK EKBI
  
- d.) Pál Hansággy, full-time scholarship holder  
*Topic:* Development of plastics suitable for hydrogen storage for type 4 and type 5 containers  
*Supervisor:* Dr. Ferenc Ronkay, DSc, university professor, Neumann János University  
Dr. Attila Bata PhD, Head of Department, Neumann János University
  
- e.) Károly-István Gál, full-time scholarship holder  
*Topic:* Manufacturing technology and wear testing of cosine drive pairs  
*Supervisor:* Dr. Richárd Horváth PhD, associate professor, ÓE BGK

Dr. Mihály Réger  
*University Professor*  
*Chair of the Doctoral School Council*



Ref. no.: ÓE BGK ATDI 1743/2024

Date: Budapest, 07.04.2024

**Subject:** course approval, new lecturer, new topics, course accreditation, final examination

### DECISION OF THE DOCTORAL SCHOOL COUNCIL

#### 92. Decision

46. The Council approves the completion of the **"Research Project"** and **"Research Report"**

Full-time program	Correspondence course
Ferenc Oláh	Tamás Kloknicer
Tamás Zeffer	Ferenc Hareancz
Lilia Bató	Gergely Juhász
Dóra Bereczki	Deshabrato Mukerjee
Levente Széles	
Attila Marczis	
Róbert Gábor Stadler	
Ádám Inger	
Robert Kohlhéb	<b>Stipendium Hungaricum scholarship holders</b>
Anikó Moór	Maroua Houria Kaou
László József Mónus	Mariam Shbanah
Viktor Vass	Ismaeel Noor Taha
Zsombor Szomor	Zoubeida Taha
Szabolcs Czene	Berhane Nugusse Zereay
János Kuti	Khan Kashif Ullah
János Márk Bozorádi	Alkaron Wasan Abdullah Fadhi
Béla Bódi	Ahmad Buhairi Minhalina Binti
Attila Széll	Sara Ines Moussaoui
Fruzsina Fülöp	
Márton Scramkó	
Béla Mészáros	
Viktor Ráczl	
Eszter Lencz	



47. The Council admits **Dr. Zsolt Kasztovszky** to the teaching staff of the Doctoral School at HUN-REN. Senior Research Fellow at the Energy Research Center

48. The Council supplements the Training Plan with the following topics:

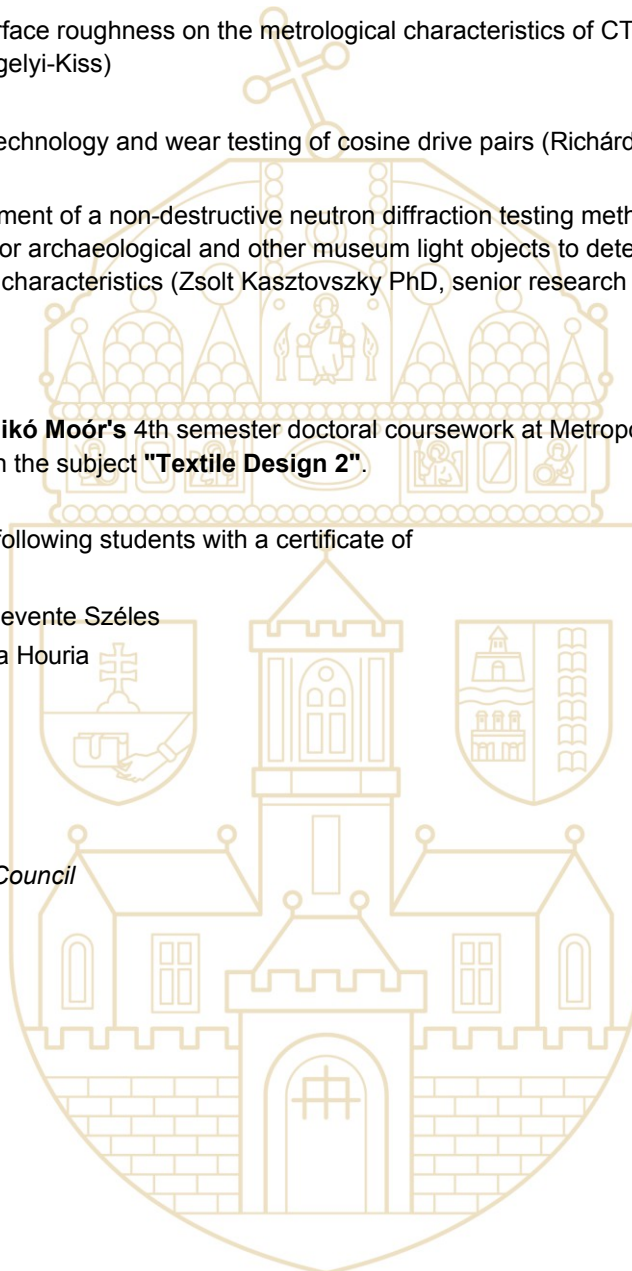
- a) The effect of surface roughness on the metrological characteristics of CT measurements (Ágota Horváthné Drégelyi-Kiss)
- b) Manufacturing technology and wear testing of cosine drive pairs (Richárd Horváth)
- c) Further development of a non-destructive neutron diffraction testing method based on flight time measurement for archaeological and other museum light objects to determine and refine spatial and directional characteristics (Zsolt Kasztovszky PhD, senior research fellow, HUN-REN EK EKB)

49. The Council accepts **Anikó Moór's** 4th semester doctoral coursework at Metropolitan University, completed with **excellent** results, in the subject "**Textile Design 2**".

50. The Council issues the following students with a certificate of

completion Levente Széles  
Kaou Maroua Houria

Dr. Mihály Réger  
*University Professor*  
*Chair of the Doctoral School Council*





Ref. no.: ÓE BGK ATDI 2012/2024

Date: Budapest, 02.09.2024

**Subject:** Admission

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 93. Decision

51. Based on the attached minutes of the Admissions Committee, the Council does not recommend **the admission of the following applicant to the PhD program:**

- f.) Miklós Barabássy, individual preparatory student *Topic:* The Holy Crown from an engineering perspective *Supervisor:* -

Dr. Mihály Réger  
University professor  
Chair of the Doctoral School Council

Ref. no.: ÓE BGK ATDI 2140/2024

Date: Budapest, September 10, 2024

**Subject:** new lecturer, new subjects, new topics, withdrawal of dismissal

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 94. Decision

1. The Council admits **Dr. Éva Széles**, senior research fellow at the HUN\_REN Energy Research Center, to the teaching staff of the Doctoral School.
2. The Council **supplements the Training Plan** with the following subjects:
  - a) Finite element analysis of structures built from composite materials (András Zachár)
  - b) Life cycle analysis (subject coordinator: Ákos Nemcsics, lecturer: György Gröller)
  - c) Environmental product declaration (course coordinator: Ákos Nemcsics, lecturer: György Gröller)



d) Application of inductively coupled plasma mass spectrometry in analytical chemistry (Éva Széles)

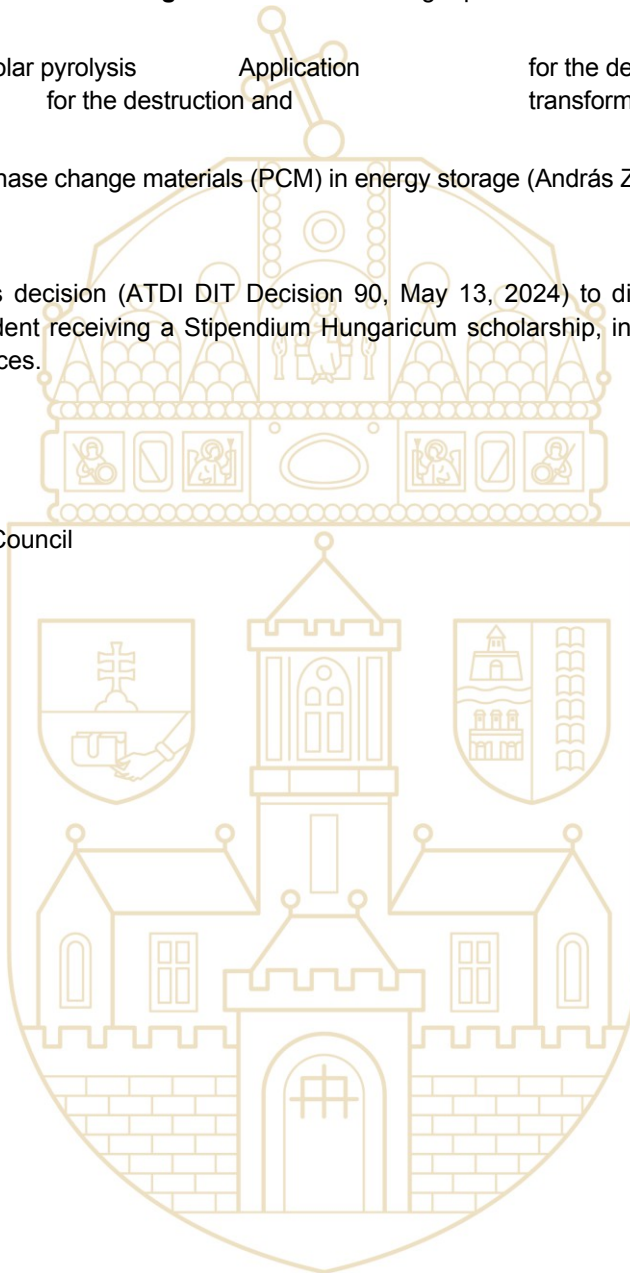
3. The Council **supplements** the **Training Plan** with the following topics:

a) Application of solar pyrolysis for the destruction and Application for the destruction of plastic waste transformation (András Zachár)

b) Application of phase change materials (PCM) in energy storage (András Zachár)

4. The Council revokes its decision (ATDI DIT Decision 90, May 13, 2024) to dismiss **Minhalina binti Ahmad Buhairi**, a doctoral student receiving a Stipendium Hungaricum scholarship, in view of the student's changed professional circumstances.

Dr. Mihály Réger, university  
professor  
Chair of the Doctoral School Council





Ref. no.: ÓE BGK ATDI 2630/2024

Date: Budapest, October 28, 2024

**Subject:** PhD degree, habilitation, new instructor, change of supervisor

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 95. Decision

1. The Council recommends that the University Doctoral and Habilitation Council award the PhD degree

to **Anikó Bezsényi** with a "**Summa cum laude**" rating.

2. The Council recommends that **Ferenc Safranyik's** habilitation procedure be conducted as follows:

#### **Habitus Examination Committee:**

Chair: Mihály Réger, DSc, university professor, ÓE  
Members: Ibolya Zsoldos, DSc, university professor, SZE  
András Zachár PhD, university professor, ÓE

#### **Professional Review Committee:**

Chair: Mihály Réger, DSc, university professor, ÓE  
Members: Ibolya Zsoldos, DSc, university professor, SZE  
András Zachár PhD, university professor, ÓE László  
Kollár PhD, university professor, ELTE Gábor  
Szepesi L. PhD, university professor, ME Ferenc  
Szlivka PhD, university professor, ÓE

#### **Reserve:**

Gusztáv Fekete PhD, senior research fellow, SZE Imre  
Felde PhD, university professor, ÓE  
Viktor Gonda PhD, associate professor, ÓE

3. The Council admits the following to **the teaching staff** of the Doctoral School

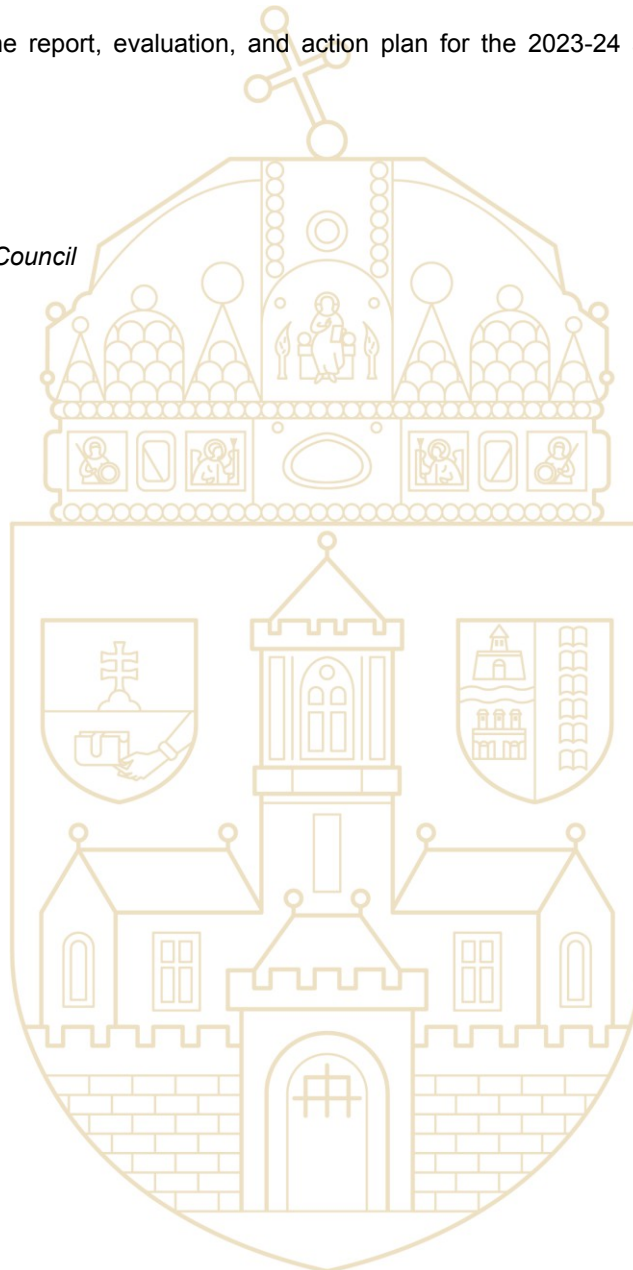
**Márton Király, research fellow,**



researcher at the HUN-REN Energy Research Institute.

4. Based on the unanimous request of the current and proposed supervisors, the Council approves that the research work of **Seif Eddine HABBACHI**, a first-year Stipendium Hungaricum scholarship student, be supervised by research fellow **Márton Király** instead of scientific advisor Zoltán Hózer in the future.
5. The Council accepts the report, evaluation, and action plan for the 2023-24 academic year of the Doctoral School.

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council





Ref. no.: ÓE BGK ATDI 2932/2024

Date: Budapest, December 4,  
2024

**Subject:** new instructor, new topic, change of supervisor, complex exam

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 96. Decision

8. The Council recommends to the Doctoral School **instructor**

**Mátyás Dabóczi, senior research fellow,**

researcher at the HUN-REN Energy Research Institute.

9. The Council supplements the Training Plan with the following topics:

- a) Investigation and development of perovskite photoelectrodes suitable for solar energy utilization (Mátyás Dabóczi)
- b) Possibilities for simultaneous heat treatment of maraging steels (Mihály Réger, Richárd Horváth)

10. Based on the unanimous wish of the current supervisor and the proposed supervisors, the Council approves that the research work of **Zsuzsa Olesnyovicsné Szabadi**, a 4th semester student, be supervised in the future by Mihály Réger, university professor (ÓE), instead of Judit Pázmán, associate professor (DUE) (ÓE) and associate professor Richárd Horváth (ÓE) instead of associate professor Judit Pázmán (DUE).

At the same time, the research topic will change to:

Possibilities for the simultaneous heat treatment of maraging steels

11. The Council recommends the following **for the complex exams** of the 2024/25/1 semester:

#### h) György Káli

Chair: Lászlóné Telegdi DSc, Professor Emerita, ÓE  
Tag: Zoltán Hózer DSc Scientific Advisor, HUN-REN EK AEKI  
Erzsébet Takács, DSc, professor emerita, HUN-REN EK EKBI  
Subjects: Materials for Nuclear Power Plants (Zoltán Hózer)



Selected chapters from materials testing methods (Judit Telegdi, Erzsébet Takács)

Topic Further development of a non-destructive, flight time-based neutron diffraction testing method for archaeological and other museum metal objects to determine and refine spatial and directional characteristics

Supervisor: Zsolt Kasztovszky, PhD, senior research fellow, HUN-REN EK AEKI

**i) László József Mónus**

Chair Tünde Anna Kovács PhD, university professor, ÓE  
Member András Zachár PhD, university professor, ÓE  
László Kuzsella PhD, associate professor, ME  
János Dusza DSc, university professor, ÓE

Subjects: Fracture Mechanics (Tünde Anna Kovács)  
Finite element analysis of structures built from composite materials (András Zachár)

Topic: Development of new joints in bow structures, material development, fiber reinforcement, surface treatment, and weight reduction using modern materials and composites

Supervisor: Enikő Réka Fábián, PhD, associate professor, ÓE

**j) Zsuzsa Olesnyovicsné Szabadi**

Chair Judit Telegdi, DSc, professor emerita, ÓE  
Member: Erzsébet Takács, DSc, professor emerita, HUN-REN EKBI  
Mária Marosné Berkes PhD, university professor, ÓE

Subjects: Selected chapters from materials testing methods (Judit Telegdi, Erzsébet Takács)  
Fundamentals of materials science (Mária Marosné Berkes)

Topic: Possibilities for simultaneous heat treatment of maraging steels

Supervisor: Mihály Réger, university professor (ÓE), Richárd Horváth, associate professor (ÓE)

**k) Zsombor Szomor**

Chair: Zsolt József Horváth, DSc, professor emeritus, ÓE



Member: Erzsébet Takács, DSc, professor emerita, HUN-REN EKBI  
Katalin Balázs, PhD, laboratory manager, HUN-REN EK  
MFA Judit Telegdi, DSc, professor emerita, ÓE

Subjects: Selected chapters from materials testing methods (Judit Telegdi, Erzsébet Takács)  
Structural analysis of various materials using transmission electron  
microscopy (Katalin Balázs)  
Semiconductor technologies (Zsolt József Horváth)

Topic: Two-phase microfluidic systems for bioanalytical applications

Supervisor: Péter Fűrjes, PhD, senior research fellow, laboratory manager

### I) Viktor Vass

Chair Zsolt József Horváth, DSc, professor emeritus, ÓE  
Member Ákos Nemcsics, DSc, university professor, ÓE  
Éva Széles PhD senior research fellow, HUN-REN AEKI

Subjects: Life cycle analysis (Ákos Nemcsics)  
Application of inductively coupled plasma mass spectrometry in analytical  
chemistry (Éva Széles)

Topic: Life cycle analysis: processes related to electric car battery manufacturing  
processes

Supervisor: György Györök, PhD, university professor, ÓE

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council



Ref. no.: ÓE BGK ATDI 110/2025

Date: Budapest, 23 January  
2025

**Subject:** new lecturer, new topic, defense committee, dismissal, admission, degree award, emeritus member

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 97. Decision

12. The Council recommends to the Doctoral School **instructor**

**Associate Professor Zsolt Ferenc Kovács,**

lecturer at Neumann János University.

13. The Council supplements the Training Plan with the following topic:

- a) Investigation of powder-based alloy manufacturing technology (Zsolt Ferenc Kovács)
- b) Environmental impacts of the electronics industry (Ákos Nemcsics)

14. The Council recommends **József Nádas's** public PhD defense as follows:

Title of the dissertation: Bandwidth expansion of LEDs in near-infrared spectroscopy and lighting applications

Supervisor: Vilmos Rakovics, Senior Research Fellow, CSC, HUN-REN EK MFA

#### Workplace discussion

Location: ÓE KVK

Opponents: Zsolt József Horváth, DSc, professor emeritus, ÓE  
Zoltán Lábadi PhD senior research fellow, HUN-REN EK MFA

#### Public defense

Location: ÓE BGK J200 room (1081 Budapest, József krt. 6.)  
Chair: György Molnár PhD, university professor, ÓE KVK TMPK  
Opponent: Zoltán Lábadi, PhD, senior research fellow, HUN-REN EK MFA  
Opponent: Veronika Szűcs PhD, associate professor, PE MIK VIRT  
Secretary: Viktor Gonda PhD habil. associate professor, ÓE BGK  
Member: István Nagy, PhD, associate professor, ÓE BGK  
Member: Zoltán Szabó PhD, Research Fellow, HUN-REN EK MFA  
Member: Gábor Harsányi, DSc, university professor, BME



Reserve

Chair	Mihály Réger, DSc, university professor, ÓE BGK
Secretary	István Nagy PhD Associate Professor, ÓE BGK
Opponent	Sándor Pekker, DSc, Senior Scientific Advisor, HUN-REN Wigner Research Center
member	Mihály Réger DSc university professor, ÓE BGK

15. The Council recommends **Levente Széles's** public PhD defense as follows:

Title of the dissertation: Impact analysis of geometric changes for the purpose of improving the properties of auxetic lattice structures

Supervisor: Richárd Horváth PhD associate professor, ÓE BGK

**Workplace discussion**

Location: ÓE BGK

Opponents: Mária Marosné Berkes, PhD, university professor, ÓE Hajnalka  
Hargitai, PhD, university professor, SZE

**Public defense**

Location: ÓE BGK Room J200 (1081 Budapest, József krt. 6.)

Chair: Endre Ruzsinkó, DSc, university professor, OE BGK

Opponent: Hajnalka Hargitai PhD, university professor, SZE

Opponent: Péter Pinke PhD, associate professor, OE BGK

Secretary: Tünde Kovács PhD, associate professor, ÓE BGK

Member: Ibolya Zsoldos, DSc, university professor, SZE

Member: Viktor Gonda, PhD habil., Associate Professor, ÓE

Member: Gábor Szabényi PhD associate professor, BME

Reserve

Chair	Ákos Nemcsics, DSc, university professor, ÓE KVK
Secretary	Péter Varga PhD, assistant professor, ÓE-BGK
Opponent	Péter Barkóczy PhD, university professor, ME-AVK
member	Márton Takács PhD, associate professor, BME Péter Varga PhD, assistant professor, ÓE-BGK

16. The Council recommends the public defense of **Vargas Cruz Ramiro Sebastian's** PhD thesis as follows:

Title of the dissertation: Modeling lead-free interconnect reliability under creep in advanced packaging

Supervisor: Viktor Gonda PhD habil. associate professor, ÓE BGK



### Workplace discussion

Location: ÓE BGK  
Opponents: Márton Király, PhD, HUN-REN EK  
Péter Varga, PhD, Assistant Professor, ÓE-BGK

### Public defense

Location: ÓE BGK Council Room (1081 Budapest, József krt. 6.)  
Chair: Mihály Réger, DSc, university professor, ÓE BGK  
Opponent: Márton Király, PhD, HUN-REN EK  
Opponent: Endre Ruszinkó, DSc, university professor, ÓE-BGK  
Secretary: Judit Lukács, PhD, university lecturer, ÓE-BGK  
Member: Gábor Harsányi, DSc, university professor, BME-VIK  
Member: Tamás Gyenes, PhD, academic relations, Robert Bosch Kft.  
Member: Zoltán Hózer, DSc, scientific advisor, HUN-REN EK

### Reserve

President opponent: Ákos Nemcsics, DSc, university professor, ÓE KVK  
secretary: Péter Barkóczy, PhD, university professor, ME-AVK  
Member: Péter Pinke, PhD, associate professor, ÓE BGK  
Péter Pinke PhD, associate professor, ÓE BGK  
Péter Varga, PhD, university assistant professor, ÓE-BGK

17. Due to failure to fulfill their academic obligations, the Council **dismisses Gábor Ladányi** and **Tibor Czene**, who were admitted to individual training.

18. Based on the attached minutes of the admissions committee, the Council recommends the following applicants **for admission to the PhD program:**

g.) Péter Gerse, full-time scholarship holder

*Topic:* Development of raw materials for polymer liners for hydrogen tanks, taking manufacturing technology aspects into consideration

*Supervisors:* Attila Bata PhD, associate professor, NJE  
Ferenc Ronkay, DSc, university professor, NJE

h.) Emese Kozák, full-time scholarship student

*Topic:* Investigation of powder-based alloy manufacturing technology  
*Supervisor:* Zsolt Ferenc Kovács PhD, associate professor, NJE

i.) Liza Lutter, full-time scholarship student

*Topic:* Investigation and development of perovskite photoelectrodes suitable for solar energy utilization

*Supervisor:* Mátyás Dabóczy, PhD, Senior Research Fellow, HUN-REN EK



19. The Council approves the completion of the following students' **"Research Project"** and **"Research Report"**  
:

<b>Full-time program</b>	
Lilia Bató	Áron Lóránd
Dóra Bereczki	Attila Marczis
János Márk Bozorádi	Krisztián Máriity
Béla Bődi	Béla Mészáros
Szabolcs Czene	Anikó Moór
Fruzsina Fülöp	Ferenc Oláh
Károly István Gál	Viktor Rácz
Pál Hansággy	Márton Schramkó
Ádám Inger	Róbert Stadler
Khan Kashif Ullah	Attila Széll
Robert Kohlhéb	Tamás Zeffer
János Kuti	
<b>Correspondence course</b>	
Ferenc Hareancz	Tamás Kloknicer
Gergely Juhász	
<b>Stipendium Hungaricum scholarship holders</b>	
Chaou Zeng	Sara Ines Moussaoui
Habbachi Seif Eddine	Shbanah Mariam
Ismaeel Noor Taha	Taha Zoubeida
Minhalina Binti Ahmad Buhairi	Wasan Abdullah Alkaron
Mukherjee Deshabrato	Zereay Nugusse Berhane
Nuriddinov Suratjon	

20. The Council recommends that the University Doctoral and Habilitation Council award the PhD degree to

to **Anita Bányai** with a **"Summa cum laude"** rating

21. The Council recommends that **Marianna Halász** become a member of the Doctoral Council as an emeritus member after her retirement in January 2025.

22. The council supports that student **Lajos Norbert Berecz** (after 3 valid and 2 passive semesters) remain in passive status in the second semester of the 2024-25 academic year due to his hospital treatment and health condition.

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council



Ref. no.: ÓE BGK ATDI 343/2025

Date: Budapest, February 17, 2025

**Subject:** Amendment to the Rules of Procedure, Amendment to the Training Plan, Approval of the MAB Monitoring Report, Amendment to the Defense Committee

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 98. DECISION

1. The Council approves the amendment to the Operating Rules of the Doctoral School.
2. The Council approves the amendment to the doctoral school's Training Plan.
3. The Council approves the monitoring report related to the accreditation decision MAB 2024/2/X/1/3 of the doctoral school.
4. The Council amends the public PhD defense committee of **Vargas Cruz Ramiro Sebastian** as follows (amendment to DIT decision 97/5):

Title of the thesis: Modeling lead-free interconnect reliability under creep in advanced packaging

Supervisor: Viktor Gonda PhD habil. associate professor, ÓE BGK

#### Workplace discussion

Location: ÓE BGK

Opponents: Péter Barkóczy, PhD, university professor, ME-AVK Péter Varga, PhD, assistant professor, ÓE-BGK

#### Public defense

Location: ÓE BGK Council Room (1081 Budapest, József krt. 6.)

Chair: Mihály Réger, DSc, university professor, ÓE BGK

Opponent: Péter Barkóczy, PhD, university professor, ME-AVK

Opponent: Endre Ruzsinkó, DSc, university professor, ÓE-BGK

Secretary: Judit Lukács, PhD, university lecturer, ÓE-BGK

Tag: Gábor Harsányi, DSc, university professor, BME-VIK

Member: Gábor Belina, PhD, technology development engineer, Robert Bosch Kft.

Tag: Zoltán Hózer, DSc, scientific advisor, HUN-REN EK



Reserve

President	Ákos Nemcsics, DSc, university professor, ÓE KVK
Opponent, Member	Judit Pázmán, PhD, associate professor, University of Dunaújváros Péter Pinke, PhD, associate professor, ÓE BGK
Member	Andrea Edit Csikósné Pap, PhD, associate professor, ÓE-KVK Péter Varga, PhD, assistant professor, ÓE-BGK

Dr. Mihály Réger  
*university professor*  
*Chair of the Doctoral School Council*

Ref. no.: ÓE BGK ATDI 628/2025  
Date: Budapest, March 14, 2025

**Subject:** dismissal

**DECISION OF THE DOCTORAL SCHOOL COUNCIL**

**99. DECISION**

1. The Council **dismisses Szabolcs Czene**, a full-time scholarship doctoral student, from the program at his own request at the end of the 8th semester due to his failure to meet the conditions for the issuance of an absolution.

Dr. Mihály Réger  
*University Professor*  
*Chair of the Doctoral School Council*



Ref. no.: ÓE BGK ATDI 791/2025

Date: Budapest, March 31, 2025

**Subject:** Absolutorium, new co-supervisor, defense committee, degree award

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 100. DECISION

1. The Council grants the absolutorium (286 credits) to **Tamás Zeffer**.
2. The Council invites Dr. András Zachár, university professor, to co-supervise **László Mónus**, third-year PhD student, together with Enikő Réka Fábián, associate professor.
3. The Council recommends the following members for **TAHA Zoubeida's** PhD defense committee:

*Title of the dissertation:* Effect of reprocessing on polyester/montmorillonite nanocomposites

*Supervisors:* Andrea Ádámné Major, PhD, college professor, János Neumann University Ferenc Ronkay, DSc, university professor, János Neumann University

#### *Workplace discussion*

Location: János Neumann University  
Opponents: Eszter Kókai PhD, senior research fellow, SZIE, Department of Applied Sustainability Department  
Tamás József Szabó PhD Associate Professor, ME, Institute of Energy, Ceramics and Polymer Technology

#### *Public defense*

Location: Óbuda University Bánki Donát Mechanical and Safety Engineering Faculty, 1088, Budapest VIII, József krt. 6.  
Chair: Tünde Anna Kovács PhD, university professor, ÓE  
Secretary: Judit Lukács PhD Associate Professor, ÓE  
Opponents: Eszter Kókai PhD, senior research fellow, SZIE, Department of Applied Sustainability Department  
Mariann Szabóné Kollár PhD, ME, Institute of Energy, Ceramics and Polymer Technology  
Member: Tamás József Szabó PhD, Associate Professor, ME, Institute of Energy, Ceramics and Polymer Technology Institute  
Szilvia Klébert PhD Senior Research Fellow, HUN-REN TTK AKI Gábor Szabó PhD Associate Professor, BME Polymer Technology Department

Reserve:



Chair: Judit Borsa, CSc, professor emerita, ÓE  
Secretary: Enikő Réka Fábián PhD, Associate Professor, ÓE  
Opponent: Szilvia Klébert PhD, Senior Research Fellow, HUN-REN TTK AKI  
Member: Enikő Réka Fábián PhD Associate Professor, ÓE  
Dániel Gere PhD, Assistant Professor, BME Polymer Technology Department

- The Council extends the deadline for the submission of **KAOU Houria Maroua's** dissertation by six months, until December 8, 2025, in view of her personal circumstances.
- The Council recommends awarding the PhD degree to **MGHERONY Abdul Whab** with a "summa cum laude" rating.
- The Council recommends awarding the PhD degree to **NÁDAS József** with a "summa cum laude" rating.

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council

Ref. no.: ÓE BGK ATDI 403/2025  
Date: Budapest, April 16, 2025

**Subject:** Absolutorium

**DECISION OF THE DOCTORAL SCHOOL COUNCIL**

**101. DECISION**

The Council grants the following students their degrees:

ISMAEEL Noor Taha (465 credits)  
SHBANAH Mariam (264 credits) TAHA  
Zoubeida (344 credits)  
ZEREAY Nugusse Berhane (309 credits)

Dr. Réger Mihály  
University Professor  
Chair of the Doctoral School Council



Ref. no.: DI 474/2025

Date: Budapest, May 8, 2025

**Subject:** Awarding of degrees

**DECISION OF THE DOCTORAL SCHOOL COUNCIL**

**102. DECISION**

1. The Council recommends awarding **Attila KENÉZ** a PhD degree with a "cum laude" rating.

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council

Ref. no.: DI 519/2025

Date: Budapest, May 21, 2025

**Subject:** comprehensive examination, PhD defense committee, habilitation, new instructor, new topic, admissions committee

**DECISION OF THE DOCTORAL SCHOOL COUNCIL**

**103. DECISION**

2. The Council recommends the following committees **for complex examinations**:

**a) Wasan Abdullah Fadhil ALKARON**

Chair of the committee: Judit Borsa, CSc, professor emerita, ÓE

Committee members: Erzsébet Takács, DSc, emeritus research professor, HUN-REN EK EKI  
Lászlóné Telegdi, DSc, professor emerita, ÓE

Subjects: Selected chapters of materials testing methods I. (Erzsébet Takács, Mrs. Telegdi)  
Cellulose chemistry (Judit Borsa)

Topic: Biopolymer-hydroxiapatite for bioapplication fields



Supervisors: Csaba Balázsi DSc scientific advisor, HUN-REN EK MFA  
Katalin Balázsi PhD, senior research fellow, laboratory manager, HUN-REN EK MFA

#### **b) János Márk Bozorádi**

Chair of the committee: Prof. Emeritus Zsolt József Horváth, DSc, ÓE

Committee members: Erzsébet Takács, DSc, emeritus research professor, HUN-REN EK EKI  
Lászlóné Telegdi, DSc, professor emerita, ÓE

Subjects: Semiconductor devices (Zsolt József Horváth)

Semiconductor technologies (Zsolt József Horváth)

Selected chapters from material testing methods I. (Takács E., Telegdi L-né) Topic: Integrated MEMS force sensors in medical technology

Supervisor: Péter Fűrjes PhD Senior Research Fellow, Laboratory Manager, HUN-REN EK MFA  
János Volk PhD Senior Research Fellow, Laboratory Manager, HUN-REN EK MFA

#### **c) Béla BŐDI**

Chair of the committee: Mária Marosné Berkes PhD, university professor, ÓE

Committee members: Erzsébet Takács, DSc, emeritus research professor, HUN-REN EK EKI  
Lászlóné Telegdi DSc, professor emerita, ÓE

Subjects: Selected chapters from material testing methods I. (E. Takács, L. Telegdi) Fundamentals of materials science (Mária Marosné Berkes)

Topic: Manufacturing technology and reliability challenges of lead-free solder joints in the automotive industry

Supervisor: Viktor Gonda PhD, habilitated associate professor, ÓE

#### **d) Minhalina Binti Ahmad BUHAIRI**

Committee chair: Mihály Réger, DSc, professor, ÓE

Committee members: Csaba Balázsi, DSc, scientific advisor, HUN-REN EK MFA  
László Kuzsella PhD, associate professor, University of Miskolc

Subjects: Biomaterials for medical application (Csaba Balázsi)

Analysis of damage failures for structural materials (László Kuzsella)

Topic: The different heat treatment effects for the nitridation efficiency of the 3D printed titanium alloy

Supervisor: Tünde Kovács PhD, university professor, ÓE

#### **e) Ferenc Hareancz**

Chair of the committee: Prof. Emerita László Telegdi, DSc, ÓE

Members of the committee: Gyula Bagyinszki PhD, associate professor, ÓE

Erzsébet Takács, DSc, emeritus research professor, HUN-REN EK EKI



Subjects: Selected chapters from material testing methods I. (Takács E., Telegdi L-né) Concentrated energy input material technologies (Bagyinszki Gyula)

Topic: The applicability of high-entropy alloys in the case of surfaces exposed to wear

Supervisors: Enikő Réka Fábián, Associate Professor, ÓE  
Ádám Vida PhD, Director of Research and Development, Bay Zoltán Applied Research Nonprofit Ltd.

#### f) **Ádám INGER**

Chair of the Committee: Prof. Emerita László Telegdi, DSc, ÓE

Committee members: Péter Petrik, DSc, Scientific Advisor, HUN-REN EK  
Erzsébet Takács, DSc, Emeritus Research Professor, HUN-REN EK EKI

Subjects: Selected chapters from material testing methods I (Takács E., Telegdi L-né) Optical classification of thin layers (Petrik Péter)

Topic: Investigation of the laser damage threshold of innovative optical elements

Supervisors: Péter Dombi, DSc, research professor, head of department, HUN-REN Wigner Research Center

Péter Rácz PhD, senior research fellow, HUN-REN Wigner Research Center

#### g) **Gergely Juhász**

Chair of the committee: Prof. Emerita László Telegdi, DSc, ÓE

Committee members: Gyula Bagyinszki, PhD, Associate Professor, ÓE  
Erzsébet Takács, DSc, emeritus research professor, HUN-REN EK EKI

Subjects: Selected chapters from material testing methods I. (Takács E., Telegdi L-né) Concentrated energy input material technologies (Bagyinszki Gyula)

Topic: Investigation of the oxidation conditions and stability of high-entropy alloys intended for high-temperature use

Supervisors: Enikő Réka Fábián PhD, associate professor, ÓE  
Ádám Vida PhD, Director of Research and Development, Bay Zoltán Applied Research Non-Profit Ltd.

#### h) **György KÁLI**

Chair of the committee: Prof. Emerita László Telegdi, DSc, ÓE

Committee members: Zoltán Hózer, DSc, scientific advisor, HUN-REN EK AEKI  
Erzsébet Takács, DSc, emeritus research professor, HUN-REN EK EKI

Subjects: Materials for nuclear power plants (Zoltán Hózer)

Selected chapters from materials testing methods (E. Takács, L. Telegdi)

Topic: Further development of a non-destructive neutron diffraction testing method for archaeological and other museum metal objects based on flight time measurement



Supervisors: for determining and refining spatial and directional characteristics  
Zsolt Kasztovszky DSc Scientific Advisor, HUN-REN EK EKBI

**i) János KUTI**

Committee chair: Tünde Kovács PhD, university professor, ÓE  
Committee members: Tamás Réti DSc, professor emeritus, ÓE  
Balázs Varbai PhD, Assistant Professor, BME  
Subjects: Modeling thermally activated transformation processes (Tamás Réti) Analysis of damage processes in structural materials (Tünde Kovács)  
Topic: Research into material structure changes in high-strength steels during thermal cutting  
Supervisors: Enikő Réka Fábián, PhD, associate professor, ÓE  
László Gyura PhD Director, Hungarian Welding and Materials Testing Association

**j) Ines MOUSSAOUI**

Chair of the committee: Tünde Kovács PhD, university professor, ÓE  
Committee members: Balácsi Csaba DSc Scientific Advisor, HUN-REN EK MFA  
Ádám Vida PhD, Director of Research and Development, Bay Zoltán Applied Research Non-Profit Ltd.  
Subjects: Technology of advanced ceramics (Csaba Balácsi) Fracture mechanics (Tünde Kovács)  
Topic: Toughening of high-entropy ceramics by low-dimensional nanomaterials  
Supervisors: János Dusza, DSc, professor emeritus, ÓE  
Péter Pinke PhD, associate professor, ÓE

**k) Attila Széll**

Chair of the committee: Prof. Emerita László Telegdi, DSc, ÓE  
Members of the committee: János Dusza, DSc, Prof. Emeritus, ÓE  
Erzsébet Takács, DSc, emeritus research professor, HUN-REN EK EKI  
Subjects: Selected chapters from material testing methods I. (Takács E., Telegdi L-né) Technology of technical ceramics (János Dusza)  
Topic: Investigation and development of the surface technology and tribological behavior of modern, multi-layer PVD/PACVD coatings applicable to plastic industry tools  
Supervisors: Mária Marosné Berkes PhD, university professor, ÓE  
Richárd Horváth PhD, associate professor, ÓE



3. The Council recommends the defense committee for **KAOU Maroua Houria** PhD as follows:

*Thesis title:* Development and structural characterization of bioceramics

*Supervisors:* Csaba Balázsi, DSc, scientific advisor, HUN-REN EK MFA

Katalin Balázsi PhD, senior research fellow, laboratory manager, HUN-REN EK MFA

*Workplace discussion*

Location HUN-REN EK MFA

Opponents Lászlóné Telegdi, DSc, professor emerita, ÓE  
Tamás Zagyva PhD research associate, Imperial College London

*Public defense*

Location Óbuda University, Bánki Donát Faculty of Mechanical and Safety Engineering,  
1088, Budapest VIII, József krt. 6.

President Prof. Emerita László Telegdi, DSc, ÓE

Secretary Judit Lukács PhD Associate Professor, ÓE

Opponents Tamás Zagyva PhD research associate, Imperial College London Zsolt  
Endre Horváth DSc scientific advisor, HUN-REN EK MFA

Member Tünde Tóth PhD senior research fellow, HUN-REN EK,  
habilitated associate professor, BME  
András Kovács PhD assistant professor, Pannon University Judith  
Mihály PhD senior research fellow, HUN-REN TTK AKI

Reserve

Judit Borsa CSc professor emerita, ÓE  
Tünde Kovács PhD lecturer, ÓE  
István Kocserha PhD Associate Professor, Pannon University  
Tamás Korim PhD Associate Professor, Pannon University

4. The Council recommends the following committees for **Csaba ÁGOSTON's** habilitation procedure:

*HVB*

Chair Judit Borsa, CSc, professor emerita, ÓE

Member József Posta, DSc, professor emeritus, DE  
Marianna Halász PhD university professor, ÓE

*Professional review committee*

Chair Judit Borsa CSc, professor emeritus, ÓE

Member József Posta, DSc, professor emeritus, DE  
Marianna Halász PhD, university professor, ÓE



Tünde Kovács PhD university professor, ÓE  
Péter Csorba DSc prof. emeritus, DE Mihály  
Réger DSc university professor, ÓE

Reserve: Hajnalka Hargitai PhD, university professor, SZE Mária  
Marosné Berkes PhD, university professor, ÓE

5. The Council admits the following to the teaching staff of the Doctoral School

**Zsófia Enikő MÁRKUSNÉ BEBESI**

senior research fellow, employee of the HUN-REN Wigner Research Centre for Physics,

**Attila Kaszás**

Senior Research Fellow, Head of the Multimodal Neurotechnology Research Group at the Institute of Cognitive Neuroscience and Psychology, HUN-REN Research Center for Natural Sciences

6. The Council supplements the Training Plan with the following topics:

- a) Measurements in ultra-low magnetic fields and their applications in materials science research  
(Zsófia Márkusné Bébési)

7. The Council invites the following DIT members to participate in the admissions committee:

Chair: Mihály Réger DSc, university professor, ÓE

Members: Lászlóné Telegdi DSc, professor emerita, ÓE  
Mária Marosné Berkes PhD, university professor, ÓE

Dr. Mihály Réger  
university professor  
Chair of the Doctoral School Council

**Ref. no.: ATDI 607/2025**  
**Dated:** Budapest, June 12, 2025.

**Subject:** admissions, new lecturer, new topic, habilitation  
committees



## DECISION NO. 104 OF THE DOCTORAL SCHOOL COUNCIL

### 104th DECISION

1. The Council recommends the admission of the following students to the Doctoral School of Materials Science and Technology:

	Name	type of training	rank, SH score
a.	Ildikó Szenthe	individual	
b.	Boglárka Ódor	correspondence	
c.	Péter Gerse	scholarship holder	1
d.	György Miklós Pócsik	scholarship recipient	2
e.	Fruzsina Tichov	scholarship recipient	3
f.	Dániel Medgyesi	scholarship recipient	4
g.	Emese Kozák	scholarship recipient	5
h.	Kristóf Havasréti	scholarship recipient	6
i.	Lajos Berzy	scholarship recipient	7
j.	Teodóra Heim	scholarship recipient	8
k.	Azalia Fajri Yasin	SH	100 points yes
l.	Shahid Nazir	SH	70 points no

2. The Council appoints Ferenc Gillemot as a member of the teaching staff of the Doctoral School.

- a) **Ferenc Gillemot**,  
acting engineer at the HUN-REN Energy Research Center, and
- b) **János Kónya**,  
managing director of Dent-Art-Technik Kft., regional director and co-chair of the Hungarian Medical Manufacturers and Service Providers Cluster (MediKlaszter), and president of the Hungarian Additive Technology Association (MATESZ).

3. The Council supplements the Training Plan with the following topics:

- b) Analysis of the effects of multiple surface thermochemical heat treatment (Richárd Horváth, Tamás Réti)
- c) Development of intelligent material models and their application in vehicle dynamics through the integration of machine learning methods (Attila Bata)
- d) Investigation of the material properties of reactor cladding (Ferenc Gillemot, Márton Király)
- e) Aging mechanisms and microstructural characteristics of structural materials in research reactors in light of damage induced by various environmental and operational loads (Ferenc Gillemot)
- f) Analysis of the relationship between surface and depth hardness distribution (Richárd Horváth, Mihály Réger)



Mihály)

g) Biocompatible materials and composites (Tünde Anna Kovács, János Kónya)

4. The Council recommends the following committees for **Richárd Horváth's** habilitation procedure:

*HVB*

Chair Zoltán Rajnai PhD, university professor, ÓE  
Member Hajnalka Hargitai PhD, university professor. SZE  
Tünde Anna Kovács PhD university professor, ÓE

*Professional Review Committee*

Chair Zoltán Rajnai PhD university professor, ÓE  
Member Hajnalka Hargitai PhD, university professor. SZE  
Tünde Anna Kovács PhD, university professor, ÓE  
Péter János Szabó DSc, university professor, BME  
Tamás Réti DSc, professor emeritus, ÓE  
Imre Felde PhD university professor, ÓE

Reserve: Ibolya Zsoldos, DSc, university professor, SZE  
Endre Ruzinkó, DSc, university professor, ÓE

5. The Council recommends awarding the PhD degree to **Levente SZÉLES** with a summa cum laude rating.

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council

Ref. no.: DI 702/2025  
Date: Budapest, July 3, 2025

**Subject:** course approval, new lecturer, new topics, course accreditation, final examination

**TO THE DOCTORAL SCHOOL COUNCIL**

**105. DECISION**



1. The Council approves the completion of the following students' "**Research Project**" and "**Research Report**"  
:

Full-time program	Correspondence course
Lilia Bató	Tamás Kloknicer
Dóra Bereczki	Zsuzsa Olesnyovicsné Szabadi
Fruzsina Fülöp	
Károly István Gál	
Pál Hansághy	
Róbert Kohlhéb	
Eszter Lencz	
Áron Lóránd	
Liza Lutter	<b>Stipendium Hungaricum scholarship holders</b>
Attila Marczis	Chaou Zeng
Krisztián Máriy	Seif Eddine Habbachi
Béla Mészáros	Khan Kashif Ullah
László József Mónus	Nuriddinov Suratjon
Anikó Moór	
Deshabrato Mukherjee	
Ferenc Oláh	
Viktor Rácz	
Márton Schramkó	
Róbert Stadler	
Zsombor Szomor	
Viktor Vass	

2. The Council recommends the following defense committee for **Noor Taha Ismaeel** PhD:

*Title of the dissertation:* Physical Combinatorial Deposition and Characterization Methods for Advanced Electrochromic Metal Oxides

*Supervisor:* Zoltán Lábadi PhD, scientific advisor, HUN-REN EK MFA

*Workplace discussion*

Location HUN-REN EK MFA  
June 25, 2025, 11 a.m.

Opponents Ákos Nemcsics, DSc, university professor, ÓE  
Zsolt Endre Horváth, DSc, scientific advisor, HUN-REN EK MFA

*Public defense*

Location Óbuda University Bánki Donát Mechanical and Safety Engineering



Kar, 1088, Budapest VIII, József krt. 6.  
President Ákos Nemcsics DSc university professor, ÓE  
Secretary Judit Lukács PhD, associate professor, ÓE  
Opponents Lászlóné Telegdi, DSc, professor emerita, ÓE  
Zsolt Endre Horváth, DSc, scientific advisor, HUN-REN EK MFA  
Member Géza Szántó PhD, research fellow, HUN-REN EK MFA  
István Bányász PhD CSc, associate professor, SZE  
Antal Ürmös PhD, assistant professor, ÓE

Reserve reviewer: Géza Szántó PhD Scientific Advisor, HUN-REN EK MFA

Reserve reviewer: István Bányász PhD CSc, Associate Professor, SZE

Reserve member: Zsolt József Horváth, DSc, professor emeritus,  
ÓE

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council

Ref. no.: DI 783/2025

Date: Budapest, August 28, 2025

**Subject:** Absolutorium, degree application

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 106. DECISION

1) The Council grants the following students a certificate of completion:

Lilia Bató (287 credits)  
Fruzsina Fülöp (334 credits)  
Ferenc Oláh (323 credits)

2) The Council accepts

Lilia Bató and  
Ferenc Oláh

's applications for degree conferral. The opponents and the defense committee will be appointed at a later date.

Dr. Mihály Réger  
university professor  
Chair of the Doctoral School Council



**Ref. no.: DI 803/2025**

**Date:** Budapest, September 17, 2025

**Subject:** degree acquisition, degree acquisition application, supervisor change, new topic, MAB monitor

## DECISION OF THE DOCTORAL SCHOOL COUNCIL

### 107. DECISION

- 1) The Council recommends awarding the PhD degree to **Ismaeel Noor Taha** with a summa cum laude rating.
- 2) The Council accepts **Fruzsina Fülöp's** degree application. The opponents and the defense committee will be appointed at a later date.
- 3) In accordance with the unanimous request of co-supervisors Réka Fábrián and Balázs Mikó and **PhD student Béla Mészáros**, the Council invites Balázs Mikó to perform the duties of sole supervisor and thanks Réka Fábrián for her work as co-supervisor to date.
- 4) The Council invites **Ádám Vida** to serve as co-supervisor of **PhD student Teodóra Heim** alongside Zsófia Bebesi.
- 5) The Council supplements the training plan with the following topic:  
Production and examination of magnetically functional, medium- and high-entropy alloys (Ádám Vida)
- 6) The Council recommends the following committees for the comprehensive examination of **Ildikó Szenthe**, a student admitted to individual training:

Chair of the committee: Prof. Emerita László Telegdi, DSc, ÓE

Committee members: Zoltán Hózer DSc scientific advisor, HUN-REN EK AEKI  
Csaba Balázsi, DSc, scientific advisor, HUN-REN EK MFA

Subjects: Nuclear power plant materials (Zoltán Hózer) Powder  
technology (Csaba Balázsi)

Topic: Investigation of the material properties of reactor cladding



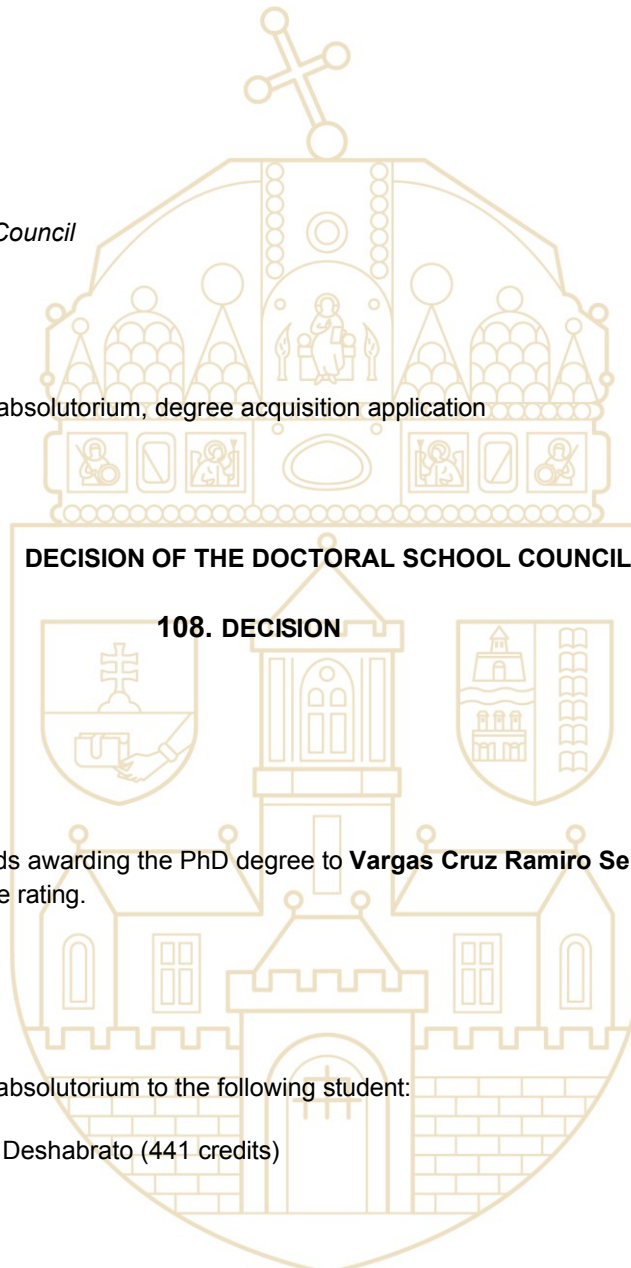
Supervisors: Ferenc Gillemot PhD Scientific Advisor, HUN-REN EK  
Márton Király PhD Research Associate, HUN-REN EK

- 7) The Council accepts the summary assessment prepared on the basis of the MAB monitoring procedure.
- 8) Other matters.

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council

Ref. no.: DI 944/2025  
Date: Budapest, 05.11.2025

Subject: degree acquisition, absolutorium, degree acquisition application



- 1) The Council recommends awarding the PhD degree to **Vargas Cruz Ramiro Sebastian** with a summa cum laude rating.
- 2) The Council issues the absolutorium to the following student:  
Mukherjee Deshabrato (441 credits)
- 3) The Council recommends that **Mukherjee Deshabrato** defend his PhD thesis in public as follows



:

Thesis title: Low-dimensional nanostructures for the optical sensing of biomolecules and gases

Supervisor: Péter Petrik DSc, scientific advisor, HUN-REN EK

#### Workplace discussion

Location: HUN-REN EK MFA

Opponents: Gábor Piszter PhD, research fellow, HUN-REN EK MFA  
Miklós Veres, DSc, scientific advisor. HUN-REN Wigner FK

#### Public defense

Location: ÓE BGK J200 (1081 Budapest, József krt. 6.)

Chair: Ákos Nemcsics, DSc, university professor, ÓE KVK

Opponent: István Csarnovics PhD, associate professor, University of Debrecen

Opponent: Miklós Veres, DSc, scientific advisor. HUN-REN Wigner FK Secretary:

Judit Lukács, PhD, assistant professor, ÓE-BGK

Member: Gábor Piszter, PhD, research fellow, HUN-REN EK MFA Member:

Géza Szántó PhD, research fellow, HUN-REN EK MFA

Member: István Bányász PhD CSc, associate professor, SZE

#### Reserve

President, Member Lászlóné Telegdi, DSc, professor emerita, ÓE

Opponent Géza Szántó PhD research fellow, HUN-REN EK MFA

Secretary, Member Péter Pinke PhD, associate professor, ÓE BGK

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council

Ref. no.: DI 995/2025

Date: Budapest, November 21, 2025

Subject: Absolutorium, complex examination committees, new topics

### DECISION NO. 109 OF THE DOCTORAL SCHOOL COUNCIL

#### 109. DECISION

3) The Council grants discharge to the following individual training students:



Róbert Farkas (634 credits)  
Tamás Fekete (432 credits)  
György Káli (336 credits) Ildikó  
Szenthe (758 credits)

4) The Council recommends the following for the complex exams of the 2025/26/1 semester:

#### Norbert Berecz

Chair: Mária Marosné Berkes PhD university professor, ÓE  
Member: Richárd Horváth PhD Associate Professor, ÓE  
István Seres PhD Associate Professor, MATE  
Mihály Réger DSc University Professor, ÓE  
Subjects: Fundamentals of Materials Science (Mária Marosné Berkes) Life Cycle Analysis (Richárd Horváth)  
Topic Thermal problems of solar cells and energy-efficient solutions Supervisor: Ákos Nemcsics, DSc, university professor, ÓE

#### Béla Mészáros

Chair Tünde Anna Kovács PhD, university professor, ÓE  
Member: György Czifra PhD, assistant professor, ÓE  
László Kuzsella PhD, associate professor, ME  
Subjects: Fracture Mechanics (Tünde Anna Kovács)  
Technological Process Design (György Czifra)  
Topic: The machinability complex analysis using multi-criteria decision-making methods  
Supervisor: Balázs Mikó PhD habil. associate professor, ÓE

#### Viktor Rácz

Chair: Tünde Anna Kovács PhD, university professor, ÓE  
Member: György Czifra PhD, assistant professor, ÓE  
László Kuzsella PhD, associate professor, ME  
Subjects: Fracture Mechanics (Tünde Anna Kovács)  
Technological Process Design (György Czifra)  
Topic Investigation of geometric tolerances and manufacturing capabilities in modern tool materials  
Supervisor: Balázs Mikó, PhD habil. Associate Professor, ÓE



- 5) The Council admits **Ferenc Safranyik**, habilitated senior research fellow and researcher at Óbuda University, to the teaching staff.
- 6) The Council supplements the training plan with the following topics:
  - a) Production and examination of magnetically functional, medium- and high-entropy alloys (Zsófia Márkusné Bebesi, Ádám Vida)
  - b) PET recycling: molecular and morphological changes during processing (Ferenc Ronkay)
  - c) Development of porous heat sinks (Ferenc Safranyik)
- 7) Based on his outstanding academic performance, the Council exempts doctoral candidate **Deshabrato Mukherjee** from the payment obligation for the doctoral procedure.
- 8) The Council recommends awarding the PhD degree to **Taha Zoubeida** with a "rite" rating.

Budapest, November 18, 2025.

Dr. Mihály Réger  
University Professor  
Chair of the Doctoral School Council

Ref. no.: DI 1112/2025  
Date: Budapest, December 15, 2025

**Subject:** degree acquisition, new instructor, new topic, defense committee

**TO THE DOCTORAL SCHOOL COUNCIL**

**110. DECISION**

- 9) The Council recommends awarding **Mukherjee Deshabrato** a PhD degree with a summa cum laude rating.



10) The Council admits Attila DIÓSZEGI to the teaching staff of the Doctoral School.

**Attila Diószegi**

professor at Jönköping University (Sweden) and honorary professor at the Faculty of Materials Science at the University of Miskolc (ME).

11) The Council supplements the Training Plan with the following topics:

- h) Production of nanofibrous structures using a melt centrifugal fiber formation process (Enikő Bitay)
- i) Development of heat-resistant and creep-resistant alloys optimized for precision casting (Attila Diószegi, Enikő Bitay)

12) The Council recommends **Berhane Nugusse Zereay's** public PhD defense as follows:

Title of the thesis: Non-Destructive Optical Mapping Tools Without Moving Parts for Spectroscopic Ellipsometry at Macro and Micro Scales

Supervisor: Miklós Fried, DSc, scientific advisor, HUN-REN EK

**Workplace discussion**

Location: HUN-REN EK MFA

Opponents: Antal Ürmös PhD, assistant professor, ÓE KVK  
Géza Szántó PhD, research fellow, HUN-REN EK MFA

**Public defense**

Location: ÓE BGK J200 (1081 Budapest, József krt. 6.)  
Chair: Lászlóné Telegdi, DSc, professor emerita, ÓE  
Opponent: Péter Márton PhD research fellow, HUN-REN EK MFA  
Opponent: Antal Ürmös PhD, Assistant Professor, ÓE KVK  
Secretary: Judit Lukács, PhD, Assistant Professor, ÓE-BGK  
Member: Ákos Nemicsics, DSc, university professor, ÓE KVK  
Member: Géza Szántó, PhD, research fellow, HUN-REN EK MFA  
Member: István Bányász PhD CSc associate professor, SZE

**Reserve**

Chair: Ákos Nemicsics, DSc, university professor, ÓE KVK  
Opponent. Member: Zoltán Lábadi PhD Senior Research Fellow, HUN-REN EK MFA  
Secretary, Member: Péter Pinke PhD Associate Professor, ÓE BGK



Budapest, December 15, 2025

Dr. Mihály Réger  
*University Professor*  
*Chair of the Doctoral School Council*

Ref. no.: DI 61/2026  
Date: Budapest, January 23, 2026

**Subject:** Admission

**OF THE DOCTORAL SCHOOL COUNCIL**

**111. DECISION**

1. The Council recommends the admission of the following students to the Doctoral School of Materials Science and Technology:

	Name	type of training	score
a.	Szabolcs Czene	individual	80
b.	Rudolf-László Farnos	scholarship holder	90
c.	Róbert Toth	correspondence	80
c.	Rebeka Pálfi	scholarship	not supported

Dr. Mihály Réger  
*university professor*  
*Chair of the Doctoral School Council*



**Subject:** new topic, habilitation, withdrawal of absolutorium

## TO THE DOCTORAL SCHOOL COUNCIL

### 112. DECISION

1. The Council supplements the Training Plan with the following topic:

Ceramic substrates for chip applications (Csaba Balázsi, Katalin Balázsi)

2. The Council recommends the following committees for Péter Pinke's habilitation procedure:

#### *HVB*

Chair

Endre Ruzinkó DSc, university professor, ÓE

Member

Hajnalka Hargitai PhD, university professor. SZE

János Dusza DSc, university professor, ÓE

#### *Professional Review Committee*

Chair

Endre Ruzinkó, DSc, university professor, ÓE

Member

Hargitai Hajnalka PhD university professor. SZE

Dusza János DSc university professor, ÓE

Secretary

Ildikó Molnár PhD associate professor, ÓE

Enikő Bitay DSc university professor, ÓE

Ibolya Zsoldos DSc university professor SZE

Reserve

Zoltán Hózer, DSc, scientific advisor, HUN-REN EK

Péter János Szabó, DSc, university professor, BME

3. The Council revokes the absolutorium of individual preparatory students György Káli and Ildikó Szenthe.

4. The Council accepts the completion of the "Research Project" and "Research Report" subjects by the following students:

Name	Program	Semester
Boglárka Almássy	Correspondence	1
Ferenc Hareancz	Correspondence	5



Teodóra Heim	Correspondent	1
Tamás Kloknicer	Correspondent	7
Zsuzsa Olesnyovicsné Szabadi	Correspondent	6
Lajos Berzy	Daytime	1
János Márk Bozorádi	Day	5
Béla Bödi	Daytime	5
Károly István Gál	Daytime	3
Emese Gégény	Daytime	1
Péter Gerse	Daytime	1
Pál Hansághy	Daytime	3
Kristóf Havasréti	Daytime	1
Ádám Inger	Daytime	5
Róbert Kohlhéb	Daytime	7
János Kuti	Daytime	5
Eszter Lencz	Daytime	7
Áron Lóránd	Daytime	3
Liza Lutter	Daytime	2
Attila Marczis	Living room	7
Krisztián Máriity	Daytime	3
Dániel Medgyesi	Daytime	1
László József Mónus	Day	6
György Pócsik	Day	1
Márton Schramkó	Daytime	7
Róbert Stadler	Daytime	7
Attila Széll	Living room	5
Zsombor Szomor	Daytime	6
Fruzsina Tichov	Daytime	1
Viktor Vass	Daytime	6
Azalia Fajri Yasin	Living room, SH	1
Chaou Zeng	Daytime, SH	3
Khan Kashif Ullah	Daytime, SH	7
Mínhalina Binti Ahmad Buhairi	Daytime, SH	5
Nuriddinov Suratjon	Full-time, SH	3
Sara Ines Moussaoui	Daytime, SH	5
Wasan Abdullah Alkaron	Daytime, SH	5

Dr. Mihály Réger  
University professor  
Chair of the Doctoral School Council