



Ref: ATDI DIT / 1 / 2020
Dated: 20.02.2020, Budapest, Hungary.

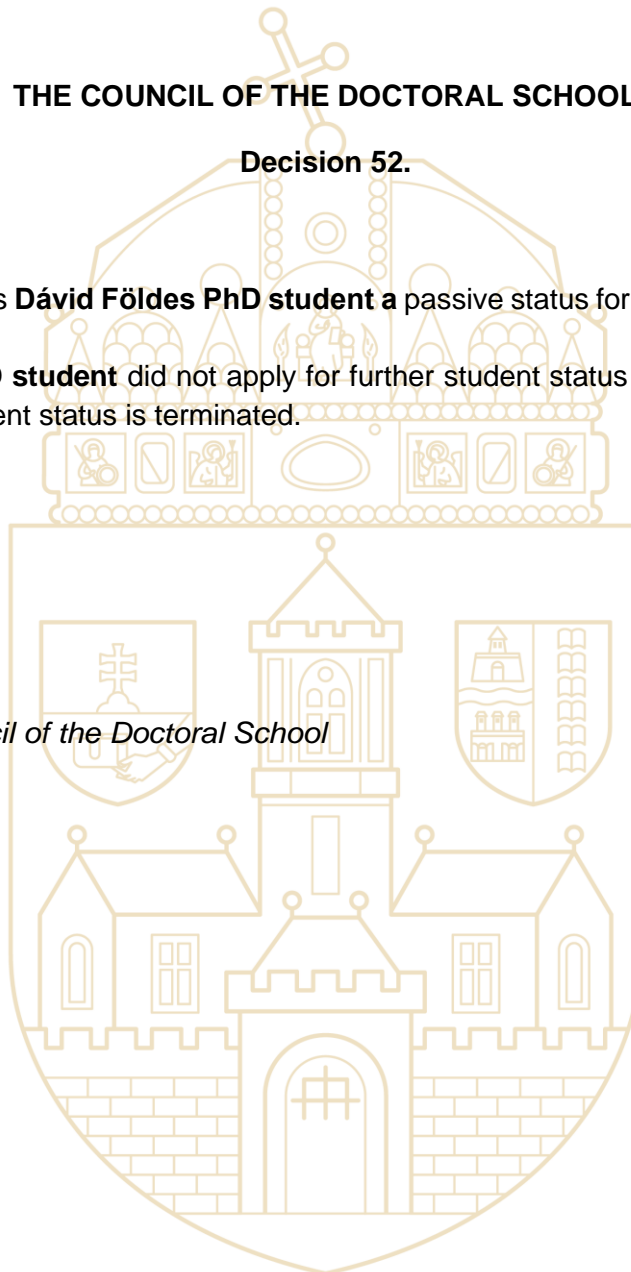
Subject: D. Földes passive, Gy. Ferde dismissal

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 52.

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

Dr. Mihály Réger
professor
President of the Council of the Doctoral School





Ref: BGK-ATDI DIT 1086/2/2020

Dated: Budapest, 06.05.2020.

Subject: naturalisation, degree, recruitment, new teacher, new subject, EFOP application, complex

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 53.

1. The Council proposes **the naturalisation of the PhD degree** awarded to **Katalin Balácsi** by the Slovak University of Technology.
2. The Council recommends **the launch of the PhD 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 RTK

Austerity

Committee Chair: Judit Borsa CSc professor emerita, ÓE

Members of the committee: Zoltán Juvancz DSc Professor

László Koltai PhD habilitated Associate Professor, ÓE

Objects:

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

Workplace debate (in Hungarian)

Place: ÓE RKK, 1034 Budapest, Doberdó u. 6.

Opponents: László Koltai PhD habilitated assistant professor, ÓE

Erzsébet Novotny habilitated PhD c. Associate Professor, ANY Security Printing House Plc.

Public debate (in Hungarian)

Place: ÓE RKK, 1034 Budapest, Doberdó u. 6.

Opponents: László Koltai PhD habilitated assistant professor, ÓE

Tóth Tünde PhD Laboratory Manager, ELKH EK, Associate Professor, BME

Chair: Judit Borsa CSc professor emerita, ÓE

Reserve Chair: Lászlóné Telegdi DSc professor emerita, ÓE

Secretary: Erzsébet Novotny PhD c. habilitated Associate Professor, ANY Security Printing House Plc.

Reserve President/Secretary: Lászlóné Telegdi DSc professor emerita, ÓE

Member: Zoltán Juvancz DSc, Professor

Lívía Kokasné Palicska PhD, Innovatext Textile Technical Development and Testing Institute Zrt.



- The Council awards the diploma (287 credits) to **Csaba Horváth Ágoston** PhD student, who is in the 8th semester of his studies.
- The Council proposes the public defence of **Csaba Horváth Ágoston** PhD as follows:

Thesis title: Investigation of optrodes for infrared stimulation in the deep tissue
Deep brain infrared optrodes study

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

Workplace debate (in Hungarian)

Location: ELKH

Opponents: postdoctoral researcher Marcell Kiss PhD, EPFL (Ecole polytechnique fédérale de Lausanne), Federal Institute of Technology, Lausanne
Tamás Tompa PhD research fellow, Femtonics Ltd.

Public debate (in Hungarian)

Place: ÓE RKK, 1034 Budapest, Doberdó u. 6.

Opponents: Tamás Tompa PhD research fellow, Femtonics Ltd.

Hunor Sántha PhD Associate Professor, BME ETT

President: Zsolt József Horváth DSc professor emeritus, ÓE

Reserve chairman, secretary: Nemcsics Ákos DSc Professor, ÓE

Member: Gábor Harsányi DSc Professor, BME VIK ETT.

Ákos Jobbágy DSc 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 RTK

- The Council proposes the following candidates for the doctoral programme starting in September 2020

Ola Saleh MAHDI (Iraq) self-financed doctoral training

Thesis Supervisor: Tünde Kovács PhD Associate Professor, ÓE BGK

Maroua Houria KAOU (Algeria) SH scholarship doctoral training

Thesis Supervisors: Csaba Balázs, Katalin Balázs

- The Council admits **Péter Nemes-Incze PhD** research fellow (ELKH EK MFA) to the Doctoral School

- The Council will add the following topics to the Training Plan:

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

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



8. The Council proposes the following topics for **the EFOP student grant application**:
- Impedance meter development for dental applications (thesis leader: Gergely Márton)
 - Injection moulding of polymer microfluidic structures (thesis leader: Péter Fürjes)
 - Thermal properties of base papers of different compositions (supervisor: László Koltai)

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

Nikolett Hegedűs

Chair of the Committee: Lászlóné Telegdi DSc professor emerita, ÓE

The committee is composed of: János Dusza DSc Professor, ÓE
Péter Petrik DSc Laboratory Manager, ELKH EK
Erzsébet Takács DSc Emeritus Research Professor, ELKH EC

Subjects: Selected chapters in materials testing methods (Takács E., Telegdi L.)

Technical ceramics technology (János Dusza)

Optical classification of thin films (Petrik Péter)

Topic: development of silicon nitride thin films (supervisors: Csaba Balázsi, Katalin Balázsi)

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

President: Mihály Réger DSc Professor, ÓE

Members: Tamás Réti DSc professor emeritus, ÓE
András Roósz Academician Professor Emeritus, ME

Dr. Mihály Réger
professor
President of the Council of the Doctoral School



Ref: BGK-ATDI DIT1086/3/2020

Dated: Budapest, 2020. 06.08.

Subject: proposal for a degree, admissions, doctorate, obtaining a degree, habilitation,

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 54.

1. The Council proposes to the University Doctoral and Habilitation Council the award of the PhD degree

Varga Péter with the distinction "**Summa cum laude**".

2. The Council proposes to the University Doctoral and Habilitation Council the award of the PhD degree

János Radó with the distinction "**Summa cum laude**".

3. The Council confirms the following proposals for the award of the Stipendium Hungaricum doctoral fellowship for doctoral studies starting in September 2020:

Name	score	Thesis leader
Davood Azadrooy (Iran)	80	Mihály Réger
Varun Vashist (India)	100	Mihály Réger
Hasan Nazha (Syria)	56	Mihály Réger
Zoubeida Taha (Syria)	100	Mrs Andrea Ádám Major
Mohammed Mudabbiruddin	100	László Pokorádi
Mohammeed (India)		

4. The Council awards the diploma to Lamnini Soukaina PhD student, who is in the 8th semester of her studies.

5. The Council proposes the public PhD thesis of **Lamnini Soukaina** as follows:

The title of the thesis: Advanced ceramics and composites based on zirconia, structural analysis and microscopy

supervisors: Csaba Balázsi DSc scientific advisor, EC MFA
Katalin Balázsi PhD senior research fellow, head of laboratory EK MFA

Workplace dispute

Place: EC



Opponents: Judith Mihály PhD Senior Research Fellow, DTH MSc
Zsolt Endre Horváth DSc scientific advisor, EC MFA

Public defence

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

Opponents: Judith Mihály PhD, Senior Research Fellow, Department of Computer Science, MSc

President: Péter Baumli PhD Associate Professor, ME
János Dusza DSc Professor, ÓE
Secretary: Péter Pinke PhD Associate Professor, ÓE
Tags: 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 Professor, SZE,
Zoltán Gácsi DSc Professor, ME
Mihály Réger DSc Professor, ÓE

6. The Council proposes the following peer review panel **for the habilitation procedure of Enikő Bitay:**

President: Mihály Réger DSc Professor, ÓE
Secretary: László Pokorádi PhD Professor
Tags: Tamás Réti DSc professor emeritus, ÓE
András Roósz Academician Professor Emeritus, ME
János Dusza DSc, ÓE
Rajnai Zoltán PhD professor ÓE
Ibolya Zsoldos DSc Professor SZE

Dr. Mihály Réger
professor
President of the Council of the Doctoral School



File No: ÓE BGK-ATDI DIT 1086/4/2020
Dated: Budapest, 08.06.2020.

Subject: proposal for a degree, new teacher, new subject, new subject

THE COUNCIL OF THE DOCTORAL SCHOOL

55. decision

9. The Council proposes to the University Doctoral and Habilitation Council the award of the PhD degree

Soukaina LAMNINI with the distinction "**Summa cum laude**".

10. The Council admits Dr. László Pokorádi, professor, to the Doctoral School.

11. The Council will include the following research topics in the training plan:

- a) Development of calcium phosphate based bioceramics with different deposition technologies (Csaba Balázs, Katalin Balázs)
- b) Decision-preparation procedures based on mathematical models in operations management (László Pokorádi)

12. The Council will include the following subjects in the training plan:

- a) Model tests of technical systems (László Pokorádi)
- b) Model studies of operational processes (László Pokorádi)

Dr. Mihály Réger
professor
President of the Council of the Doctoral School



File No ÓE BGK ATDI DIT 1086/5/2020
Dated: Budapest, 08. 10. 2020.

Subject: New members, extension of the deadline for absolute majority, new subject

THE COUNCIL OF THE DOCTORAL SCHOOL
56. decision of

1. The Council proposes **Dr. Marianna Halász University Professor** and **Dr. Endre Ruzinkó University Professor** as members of the Council.
2. The Council awards the degree of Doctorate with 215 credits to **Dávid Földes**.
3. The Council extends the deadline for Gábor Ladányi to submit his dissertation until 30 September 2021.
4. The Council adds the following subject to the training plan:
Nuclear Reactor Materials (Zoltán Hózer)
5. The Council adopts the following subject as part of the doctoral programme:
Nuclear and reactor physics fundamentals
(5 credits, Máté Szieberth, Budapest University of Technology and Economics)

Dr. Mihály Réger
professor
President of the Council of the Doctoral School



File No: ÓE BGK ATDIT 1086/2020
Done at Budapest, 30.11.2020.

Subject: absolute diploma, defence, complex examination, new subject, budget

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 57.

13. The Council grants **Gábor Orbán** an absolute majority with 302 credits.
14. The Council awards **Larbi EDDAIF** an absolute diploma with 457 credits.
15. The Council grants **Awais QADIR** an absolute doctorate with 333 credits.
16. The Council proposes the public PhD thesis of **Gábor Orbán** as follows:

The title of the thesis:

Development of novel measurement methods for neuroscientific research and dentistry
Developing novel measurement methods for neuroscience research and dentistry

Thesis Supervisor: Gergely Márton 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 Ltd.

Public debate (in Hungarian)

Place: ÓE BGK Council Chamber (1081 Bp., Népszínház utca 8.), or online (BBB)

President: Zsolt József Horváth DSc professor emeritus, ÓE

Reserve chairman: Ákos Nemcsics DSc Professor, ÓE

Opponents: Andrea Csikósné Pap PhD Associate Professor, ÓE
Zoltán Somogyvári PhD, ELKH Wigner FK RMI

Reserve: Péter Fürjes PhD Senior Research Fellow Laboratory Head, ELKH EK MFA

Secretary: Anna Tünde Kovács PhD Associate Professor, ÓE

Member: Ákos Nemcsics DSc Professor, ÓE

Zsófia Baji PhD research fellow, ELKH EK MFA

György Bognár PhD Associate Professor, BME VIK EET

Reserve: Péter Fürjes PhD senior research fellow laboratory head, ELKH EK MFA

Zoltán Szabó PhD research fellow, ELKH EK MFA

Ákos Szlávecz PhD Associate Professor, BME VIK IIT



17. The Council recommends that **Larbi EDDAIF**'s PhD thesis be made public as follows:

The title of the thesis:

Calix(4)resorcinarene based piezogravimetric chemosensors for the metal ion monitoring in aqueous solutions

Thesis Supervisor: senior research fellow Shaban Abdul CSc, ELKH TTK

Workplace

Location: ELKH TTK

Opponents: Sándor Pekker DSc scientific advisor, ELKH Wigner FKK, research professor ÓE
Zoltán May PhD Senior Research Fellow, ELKH RTK

Public defence

Place: ÓE BGK Council Chamber (1081 Bp., Népszínház utca 8.), or online (BBB)

Chair: Judit Borsa CSc professor emerita, ÓE

Reserve: Endre Ruzsinkó DSc, 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 Professor, ELTE

Secretary: Ágota Horváthné Drégelyi-Kiss PhD Associate Professor, ÓE

Member: Gergő Gyulai PhD research fellow, ELTE

Marianna Halász CSc Professor, ÓE

Viola Horváth PhD Associate Professor, BME VBK

Reserve: Erzsébet Takács DSc Emeritus Research Professor, ELKH EK

18. The Council proposes the public PhD thesis of **Awais QADIR** as follows:

The title of the thesis:

Silicon Nitride Composites with the addition of Carbon Nanofillers

Supervisors: János Dusza DSc Professor, ÓE

Péter Pinke PhD Associate Professor, ÓE

Workplace

Place: ÓE BGK Council Chamber (1081 Bp., Népszínház utca 8.), or online (BBB)

Opponents: Endre Ruzsinkó DSc, Professor, ÓE BGK

Mária Marosné Berkes PhD Associate Professor, ME GEIK ATI

Zoltán Károly PhD senior research fellow, head of laboratory, ELKH TTK

Szilvia Klébert Senior Research Fellow PhD, ELKH RTK



Public defence

Place: ÓE BGK Council Chamber (1081 Bp., Népszínház utca 8.), or online (BBB)

President: Mihály Réger DSc Professor, ÓE

Reserve: Tamás Réti DSc Emeritus Professor, 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

Member: Imre Orbulov DSc Professor, BME GK ATT

Zoltán Károly PhD. senior research fellow, head of laboratory, ELKH TTK

Erzsébet Takács DSc Emeritus Research Professor, EC

Reserve: Szilvia Klébert PhD senior research fellow, ELKH TTK

:
Endre Ruzinkó DSc, Professor, ÓE BGK

19. The Council proposes the public PhD thesis of **Erzsébet Perezné Feró** as follows:

The title of the thesis:

High temperature oxidation of zirconium alloys used in nuclear power plants

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

Workplace

Location: ELKH EK

Opponents: Katalin Kulacsy PhD, ELKH EK

Judit Telegdi DSc professor emerita, ÓE

Public defence

Place: ÓE BGK Council Chamber (1081 Bp., Népszínház utca 8.), or online (BBB)

President: Mihály Réger DSc 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 Professor, BME NTI

István Groma DSc 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 proposes the following for the complex test for **Anita Bányai**:

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

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

21. The Council proposes the following for the complex examination of **Dao Duy Anh:**

President: Endre Ruszinkó DSc, Professor, ÓE BGK

Member: Mátyás Andó PhD Associate Professor, ELTE

Balázs Mikó PhD Associate Professor, ÓE

Subjects: characterisation of surface microgeometry and microtopography (Andó Mátyás)

Manufacturing process planning (Mikó Balázs)

Topic: Investigations on measurement uncertainty of feature measurements of CT
Thesis Supervisor.

22. The Council admits **Hajnalka Hargitai PhD Associate Professor** (Széchenyi University) to the Doctoral School.

23. The Council will complement the training plan with the following research topics

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

Thesis author: Péter Petrik DSc scientific advisor, ELKH EK

- b) Development of surface treatment technology to improve implant-tissue integration of 3D printed titanium alloy

Thesis authors: Tünde Kovács PhD Associate Professor, ÓE BGK
Hajnalka Hargitai PhD Associate Professor, SZE

Dr. Mihály Réger

professor

President of the Council of the Doctoral School



Subject: new teacher, new subject, admission, new subject

THE COUNCIL OF THE DOCTORAL SCHOOL

58. resolution

24. The Council admits **Károly Széll**, Adjunct Professor (ÓE Alba Regia Faculty of Technology) to the Doctoral School
25. The Council will add the following topics to the training plan
 - a) Ákos Nemcsics: Zero-dimensional nanostructures in the efficiency enhancement of GaAs-based solar cells
 - b) Károly Széll: Dynamic arc stabilization possibilities of MIG/MAG welding with consumable electrode shielded arc
 - c) Miklós Fried: Combinatorial Preparation and Characterization Methods for High Through-put Study of Advanced Functional Materials
 - d) Fried Miklós: Non-destructive optical mapping tool from cheap parts
26. The Council recommends the following candidates for the doctoral programme starting in February 2021:
 - a) **Zoltán Farkas** individual coach
Thesis supervisor: Ákos Nemcsics professor ÓE KVK
Zero-dimensional nanostructures in the efficiency enhancement of GaAs-based solar cells
 - b) **János Kónya** individual coach
Thesis Supervisors: Anna Tünde Kovács, Hajnalka Hargitai
Development of surface treatment technology to improve implant-tissue integration of 3D printed titanium alloy

Elek István Kiss, who is enrolled on a course at a fee, is not eligible for admission without an intermediate written language examination.



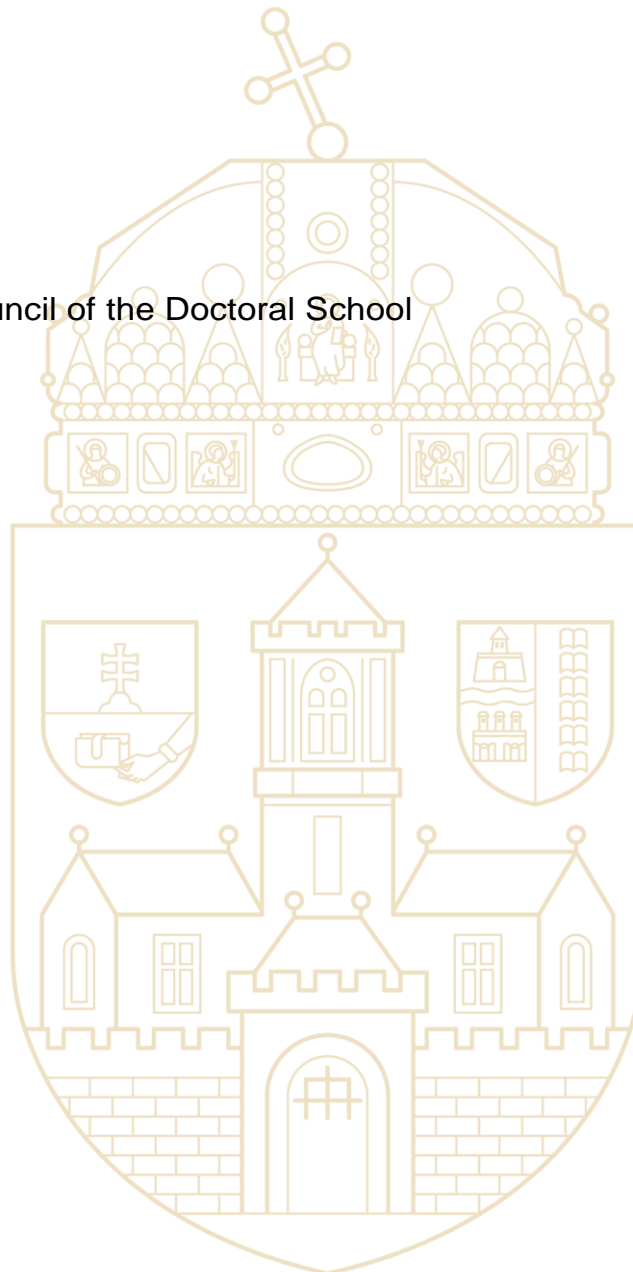
ÓBUDAI EGYETEM
ÓBUDA UNIVERSITY

Materials Sciences and
Technologies
Doctoral School

27. The Council adds the following subject to the training plan:

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

Dr. Mihály Réger
professor
President of the Council of the Doctoral School





Subject: obtaining a degree

THE COUNCIL OF THE DOCTORAL SCHOOL

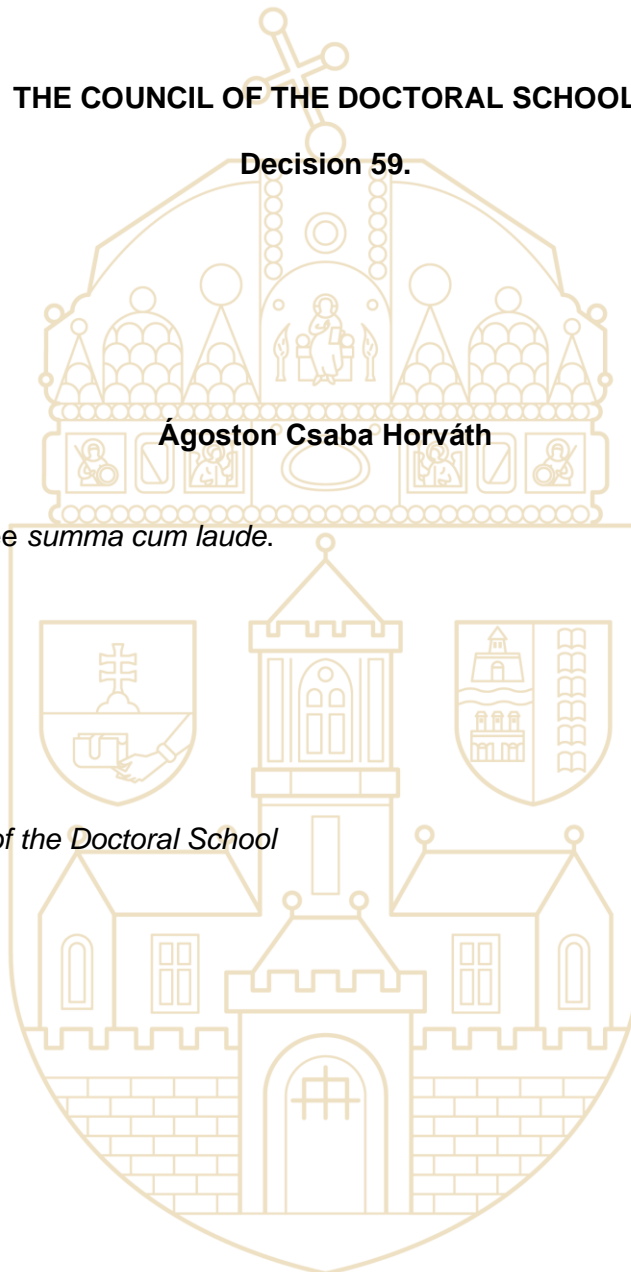
Decision 59.

The Council proposes

Ágoston Csaba Horváth

the award of a PhD degree *summa cum laude*.

Dr. Mihály Réger
professor
President of the Council of the Doctoral School





Subject: complex exam, subject accreditation, new subject

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 60.

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

Farkas Zoltán individual training, topic leader Dr. Nemcsics Ákos professor, ÓE

Chair of the Committee: Dr. László Pokorádi, Professor, ÓE

The committee is composed of: Dr. Márta Takács Associate Professor, ÓE
Dr. Balázs Plesz Associate Professor, BME VIK

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

Topic: zero-dimensional nanostructures for increasing the efficiency of GaAs-based solar cells

János Kónya individual training, topic leaders Dr. Tünde Kovács Associate Professor, ÓE
Dr. Hajnalka Hargitai Associate Professor, SZE

Chair of the Committee: Dr. Mihály Réger, Professor, ÓE

The committee is composed of: Dr. Péter Pinke Associate Professor, ÓE
Dr. Ibolya Zsoldos Professor, SZE

Subjects: modern methods of materials testing (Ibolya Zsoldos)
Titanium and titanium alloys (Peter Pinke)

Topic: development of surface treatment technology to improve 3D printed titanium alloy implant/tissue integration



Al-hilfi Ali SH Fellow, supervisor Dr. Endre Ruzinkó, Professor, ÓE

Chair of the Committee: Dr. Mihály Réger Professor ÓE

The committee is composed of: 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 (Pinke Péter)
Modeling of crystal plasticity (László S. Tóth)

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

Mgherony Abdul Whab SH Fellow, supervisor Dr. Balázs Mikó Associate Professor, ÓE

Chair of the Committee: Dr. Mihály Réger, Professor, ÓE

The committee is composed of: Dr. Ágota Drégelyi-Kiss Associate Professor, ÓE
Dr. Máttyás Andó Associate Professor, ELTE Savaria

Subjects: experimental design (Drégelyi-Kiss Ágota)
Characterisation of surface microgeometry and microtopography (Andó Máttyás)

Topic: optimization of ball-end milling tool path in case of free-form surfaces

Vargas Cruz Ramiro SH Scholar, supervisor Dr. Viktor Gonda Associate Professor, ÓE

Chair of the Committee: Dr. Endre Ruzinkó, Professor, ÓE

The committee is composed of: Dr. András Mucsi Associate Professor, ÓE
Dr. Péter Barkóczy Associate Professor, ME

Objects: Plasticity (Endre Ruzinkó)
Finite element modelling of materials technologies (András Mucsi)

Topic: creep in soldering materials: finite element analysis.



2. The Council shall include the following subjects in the training of the Doctoral School

Seminar topic, 3 credits: art of doing science - Methods of scientific research

University of Miskolc, lecturer György Kaptay Professor, Corresponding Member of the Hungarian Academy of Sciences

Modelling in crystal plasticity: 6 credits

University of Miskolc, lecturer Prof. László S. Tóth, Labex-DAMAS, Laboratory Excellence on Alloy Metals for Low-Mass Structures, Metz, France

3. The Council will add the following research topics to the Training Plan

Living tissue on silicon scaffold - Organ-on-Chip devices

Thesis supervisor: Dr. Péter Fürjes senior research fellow, head of laboratory ELKH EK MFA

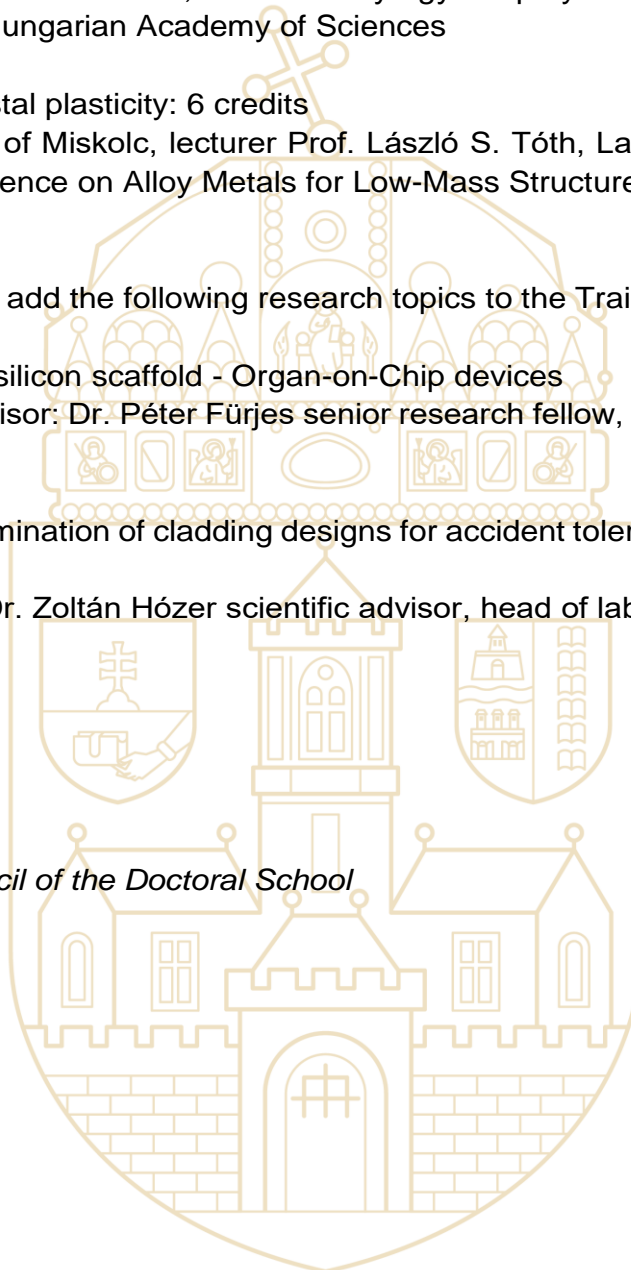
Testing and examination of cladding designs for accident tolerant fuel of nuclear power plants

Supervisor: Dr. Zoltán Hózer scientific advisor, head of laboratory ELKH EK AEKI

Dr. Mihály Réger

professor

President of the Council of the Doctoral School





Subject: Degrees

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 61.

1. The Council proposes

Anna Tegze

the award of a PhD degree *summa cum laude*.

2. The Council proposes

Gábor Orbán

the award of a PhD degree *summa cum laude*.

3. The Council agrees to part-finance the purchase of the DSX1000 digital microscope in the configuration presented, up to a maximum of 8 mFt from the DI reserve.

Dr. Mihály Réger
professor
President of the Council of the Doctoral School



Subject: new teacher, new subject, recruitment, dismissal, habilitation

THE COUNCIL OF THE DOCTORAL SCHOOL

62. resolution

4. The Council shall admit to the teaching staff of the Doctoral School

Gábor Thomas Orosz,

Associate Professor at the ELTE Faculty of Informatics.

5. The Council will add the following topics to the Training Plan

- Conservation of artificial fibre artefacts using material science methods (Marianna Halász, Professor, ÓE RKK, Tamás Gábor Orosz, Associate Professor, ELTE IK)
- Investigation of surface layers and coatings (Richárd Horváth Associate Professor, ÓE BGK)
- Sensor circuits implemented with thin film technology (Andrea Csikósné Pap Associate Professor, ÓE KVK)

6. The Council adds the following item to the Training Plan:

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

7. The Council proposes to admit the following candidates to a full-time **doctoral** programme **with a scholarship**:

- a) Bató Iliá

Topic: Living tissue on silicon scaffold - Organ-on-chip devices

Thesis leader: Péter Fürjes senior research fellow, head of laboratory ELKH EK MFA

- b) Eszter Mátyás

Topic: conservation of man-made fibre artefacts using materials science methods

Thesis supervisors: Marianna Halász, assistant professor, ÓE RKK, Tamás Gábor Orosz, associate professor, ELTE



- c) Ferenc Oláh
Topic: surface coatings and coatings characterisation
Thesis Supervisor: Richárd Horváth Associate Professor, ÓE BGK
- d) Tamás Zeffer
Topic: Sensor circuits implemented using thin film technology
Thesis Supervisor: Andrea Csikósné Pap Associate Professor, ÓE KVK
8. The Council proposes to admit to a full-time **doctoral** programme **on a fee-paying**, structured, **full-time basis**
- Indian citizen Deshabrato Mukherjee.
Topic: low-dimensional nanostructures for the optical sensing of biomolecules and gases
Thesis Supervisor: Péter Petrik scientific advisor, ELKH EK MFA
9. The Council recommends the inclusion of the following for **individual preparation** training:
- a) Tibor Czene
Topic: Research and development for increasing the physical mechanical and morphological properties of the different recycled papers with addition of virgin fibres for enhancement of environmentally friendly paper
Thesis Supervisor: László Koltai Associate Professor, ÓE RKK
- b) József Nádas
Theme: research and spectroscopic applications of GaInAsP/InP LEDs in the near infrared region
Thesis Supervisor: Vilmos Rakovics Senior Research Fellow, ELKH EK MFA
- c) Richard the Great
Topic: Nuclear power plant fuel element cladding tube behaviour on different time scales experimental and numerical investigation of plastic deformation
Thesis leader: Zoltán Hózer scientific advisor, head of laboratory, ELKH EK AEKI
10. The Council awards the diploma to the following graduating students:
- Jaber, Hassanen (403 credits)
- Al-Zurajji, Sahir M. (290 credits)
- Bálint Varga (418 credits)



11. The Council shall delete from the student register

Gergely Rácz,

who graduated in 2017, did not initiate the PhD process.

12. The Council proposes the following habilitation and peer review committee for the habilitation of **Balázs Mikó:**

Habitats Committee

Chairman: László Pokorádi, Professor, ÓE
Members: Mihály Réger, Professor, ÓE
Mátyás Andó Associate Professor, ELTE

Professional evaluation committee

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

Spare:

Endre Ruszinkó Professor, ÓE
János Líska Professor, Neumann János University GAMF

Dr. Mihály Réger
professor
President of the Council of the Doctoral School



File No: ÓE BGK ADI 1146/2021
Done at Budapest, 21.07.2021.

Subject: recruitment, obtaining a degree

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 63.

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

Name	Score	Thesis leader
a) Ismaeel Noor Taha Ms (Iraq)	100	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	Mrs Andrea Ádám Major
e) Abuqudaira Thabit M. A. Mr. (Jordan)	100	Zoltán Hózer
f) Abishev Anuar Mr (Kazakhstan)	100	Péter Petrik
g) Aftab Tabish Mr (India)	100	Shaban Abdul
h) Soheil Amani Mr (Iran)	70	Viktor Gonda
i) Zarrami Amal Ms (Tunisia)	100	Mrs Andrea Ádám Major
j) Kaddouri Chifaa Ms (Algeria)	100	Mrs Andrea Ádám Major
k) Dagnaw Mengistu Jemberu Mr. (Ethiopia)	rejected	
l) Roslan Anis Arisa Ms (Malaysia)	rejected	

29. The Council proposes

Awais QADIR

award of a PhD degree *summa cum laude*.

Dr. Mihály Réger
professor
President of the Council of the Doctoral School



Subject: degree, complex exam, instructor, subject, topic

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 64.

1) The Council proposes

Erzsébet Perezné Feró

the award of a PhD degree *summa cum laude*.

2) The Council proposes the following for the complex examination of **Tibor Czene:**

President: Lászlóné Telegdi DSc, professor emerita, ÓE
Tag: Judit Borsa CSc, professor emerita, ÓE
Cecília Tamásné Nyitrai PhD, Professor at the University of Szeged

Objects: Cellulose Chemistry (in English) (Borsa Judit)
Paper industry fibres and their surface characteristics (Tamásné Nyitrai Cecília)

Topic The role of component characteristics and manufacturing operation parameters
in the recyclability of different paper products

supervisor László Koltai PhD Associate Professor, ÓE

3) The Council proposes the following for the complex examination of **József Nádas:**

President: Zsolt József Horváth DSc, professor emeritus, ÓE
Tag Andrea Csikósné Pap PhD, Associate Professor, ÓE
István Réti PhD, Senior Research Fellow, ELKH EK MFA

Objects Solid-state light sources and their applications, in Russian (Zsolt József Horváth)
Application of polymers in microtechnology (Andrea Csikósné Pap)

Topic Research and spectroscopic applications of GaInAsP/InPLEDs in the near-
infrared region

supervisor Vilmos Rakovics CSc, ELKH EK MFA



4) The Council proposes the following for the complex examination of **Richard Nagy**:

<i>President:</i>	Mihály Réger DSc, Professor, ÓE
<i>Tag</i>	Endre Ruzinkó DSc Professor, ÓE Sándor Borza PhD, Associate Professor, University of Sopron
<i>Objects</i>	Basics of plasticity, in Russian (Endre Ruzinkó) Heat transport finite element modelling (Sándor Borza)
<i>Topic</i>	Experimental and numerical investigation of the plastic deformation of nuclear fuel cladding tubes over different time scales
<i>supervisor</i>	Zoltán Hózer DSc, ELKH EK AEKI

5) The Council proposes the following for the complex examination of **Radi Achraf**:

<i>President:</i>	Lászlóné Telegdi DSc, professor emerita, ÓE
<i>Tag</i>	Zoltán Hózer DSc, scientific advisor, ELKH EK Erzsébet Takács DSc, Emerita Research Professor, ELKH EK
<i>Objects</i>	Nuclear Reactor Materials (Zoltán Hózer) elected chapters of material testing methods (FTIR, SEM, AFM) (Takács Erzsébet Telegdi Lászlóné)
<i>Topic</i>	Modelling Calculations And Validation Measurements Of Activation Of Objects In Novel Research Facilities
<i>supervisors</i>	László Szentmiklósi PhD, senior research fellow ELKH EK EKBI Péter Zagyvai CSc, senior research fellow ELKH EK EKBI

6) The Council admits to the teaching staff of the Doctoral School

László Péter scientific advisor,

from the Wigner Institute for Solid State Physics and Optics, Wigner Research Centre for Physics

7) The Council adds the following item to the Training Plan:

Electrochemical metal deposition (László Péter)

8) The Council adds the following topic to the Training Plan:

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



9) The Council recommends that **JABER L. Hassanen's** PhD thesis be published as follows:

The title of the thesis Study of microstructure, heat treatment and hydroxiapatite addition in selective laser melting of Ti6Al4V alloy

supervisor: Anna Tünde Kovács PhD, ÓE BGK

Workplace dispute

Location: ÓE BGK Council Chamber

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

Public defence

Location: ÓE BGK Council Chamber

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

President: Mihály Réger DSc Professor, ÓE

Spare: Lászlóné Telegdi DSc prof. emerita, ÓE

Secretary: Richárd Horváth PhD Associate Professor, ÓE

Tags: László Tóth DSc Professor, Lorrain University
Péter Pinke PhD Associate Professor, ÓE

Ibolya Zsoldos DSc Professor, SZE

Spare: Tamás Réti DSc Professor, ÓE

10) The Council informs the subject leaders and students about the course and the schedule of the training by means of the summary in the annex.

Dr. Mihály Réger
professor
President of the Council of the Doctoral School



File No: ÓE-BGK ATDIT 2199/2021
Done at Budapest, 13.12.2021.

Subject: changes to the examination board and complex examination board, new instructor, new subjects

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 65.

- 1) The Council proposes that **Larbi EDDAIF**'s public PhD thesis committee Council Decision 57.

Lajos Höfler PhD Associate Professor (BME VBK SzKAT) in place of the opponent
Erzsébet Takács DSc emeritus research professor (ELKH EK) to act as opponent.

Thus, the committee of defence is as follows:

President: Judit Borsa CSc professor emerita, ÓE

Reserve chairman: Endre Ruzsinkó DSc Professor, ÓE

Opponents: Sándor Pekker DSc scientific advisor, ELKH Wigner FKK, prof. ÓE

Erzsébet Takács DSc Emeritus Research Professor, ELKH EC

Secretary: Ágota Horváthné Drégelyi-Kiss PhD Associate Professor, ÓE

Tag: Gergő Gyulai PhD research fellow, ELTE

Marianna Halász CSc Professor, ÓE

Viola Horváth PhD Associate Professor, BME VBK

- 2) The Council decided on the complex test for **Tibor Czene** as set out in Council Decision 64.

Instead of *paper industry fibres and their surface properties*

Proposes the subject *Mechanical and physical properties of paper and corrugated products*

Thus, the subjects and the board of the complex exam are as follows:

President: Lászlóné Telegdi DSc, professor emerita, ÓE

Tag: Judit Borsa CSc, professor emerita, ÓE

Cecília Tamásné Nyitrai PhD, Professor at the University of Szeged

Subjects: cellulose chemistry (in English) (Borsa Judit)

Mechanical and physical properties of paper and corrugated products

(Tamásné Nyitrai Cecília)

- 3) The Council admits to the teaching staff of the Doctoral School

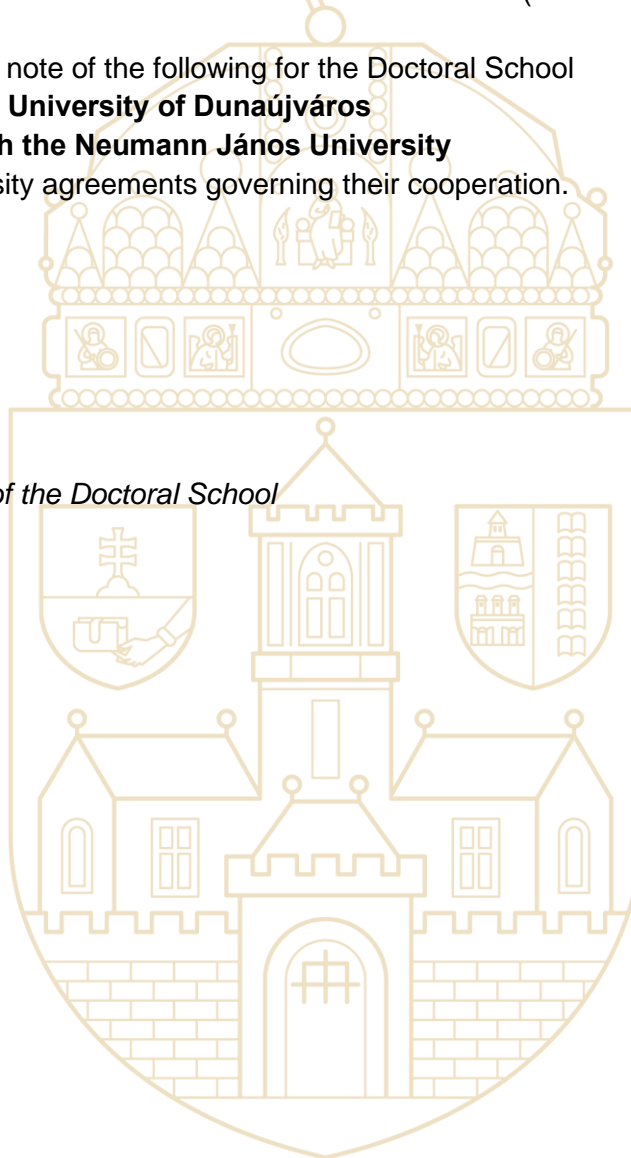
András Füredi, research fellow at ELKH EC



- 4) The Council will add the following topics to the Training Plan:
 - a) Production of porous materials by electrochemical processes
Preparation of porous materials by electrochemical methods (Péter László)
 - b) Microfluidic systems for drug substance analytical applications
Microfluidic systems in drug analytical applications (Péter Fürjes, András Füredi)
 - c) Investigation of the mechanism of weld crack formation (Kovács Tünde)

- 5) The Council takes note of the following for the Doctoral School
**the University of Dunaújváros
with the Neumann János University**
in the inter-university agreements governing their cooperation.

Dr. Mihály Réger
professor
President of the Council of the Doctoral School





Subject: Degree of Eddaif Larbi

THE COUNCIL OF THE DOCTORAL SCHOOL

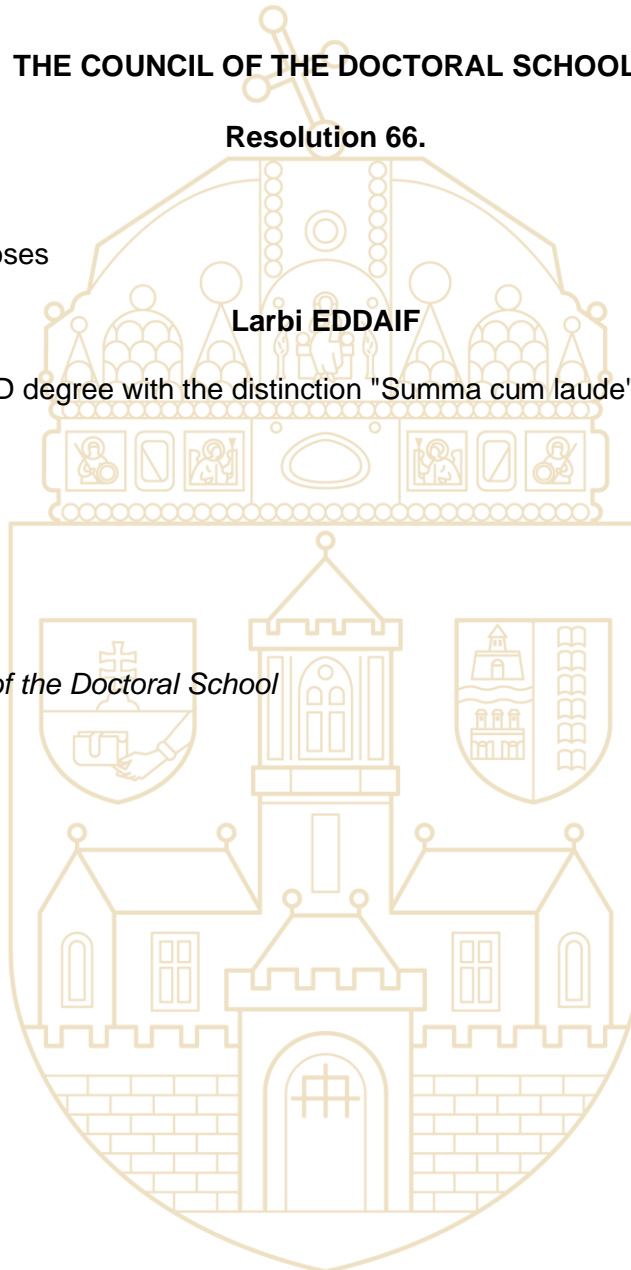
Resolution 66.

1) The Council proposes

Larbi EDDAIF

the award of a PhD degree with the distinction "Summa cum laude".

Dr. Mihály Réger
professor
President of the Council of the Doctoral School





File No: ÓE-BGK ATDIT195/2022

Dated: Budapest, 2022. 02. 04.

Subject: recruitment, new lecturer, new subject, new subject, subject accreditation, semester assessment of students

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 67.

- 1) The Council proposes

Dóra Bereczki

(Topic: Microfluidic systems for drug-drug analytical applications
Supervisors: Péter Fűrjes, András Füredi)

and

Márton Schramkó

(Topic: Investigation of the mechanism of weld crack formation
Supervisors: Tünde Kovács, Péter Pinke)

admission to full-time scholarship doctoral studies, and

Levente Széles

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

transfer from the second year of the BME Pattantyús-Ábrahám Géza Géza School of Mechanical Engineering, state-supported full-time to the full-time state-supported Doctoral School of Materials Science and Technology at the University of Óbuda.

- 2) The Council admits to the teaching staff of the Doctoral School

László Tóth, Professor Emeritus of **Physics** at Lorraine University (Metz, France)
and

András Frigyik, mathematician and lecturer at BGK



3) The Council will add the following topics to the Training Plan:

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

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

4) The Council adds the following subjects to the Training Plan:

Plastics testing (Andrea Ádámné Major)

Structure of polymers (Andrea Ádámné Major)

5) The Council accredits the course Neutron Techniques for the PhD student Achraf Radi with 4 (good) marks

6) The Council accepts the written and oral reports of the following students for the following semester:

Anikó Bezsenyi

Dao, Anh Duy

MgHerony, Abdul Whab

Kaou, Maroua Houria

Nugusse Berhane

Ferenc Oláh

Abdulahman, Kawan

Vargas Cruz, Ramiro Sebastian

Al-hilfi, Ali

Lilia 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 Taha, Zoubeida.

7) The Council

Deshabrato MUKHERJEE

exempt a full-time fee-paying student from the obligation to pay tuition fees until revocation, in recognition of his/her excellent academic performance.

8) The Council awards the following students the diploma of Master of Arts

Abdulahman Kawan Mahmood (283 credits)



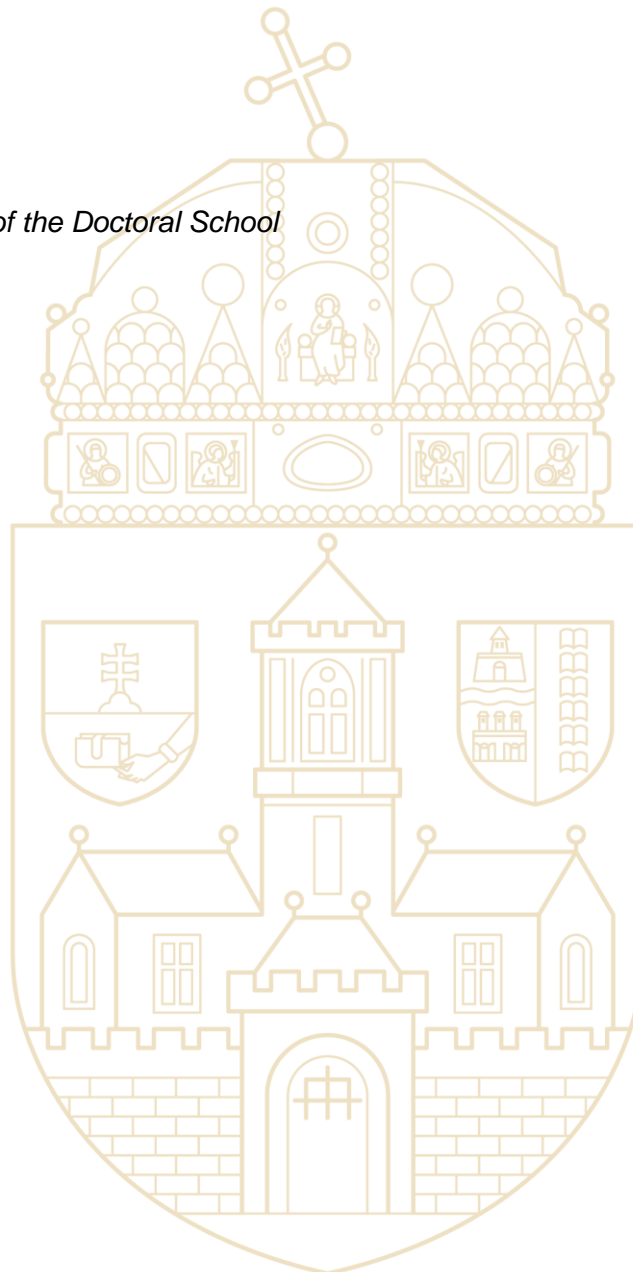
ÓBUDAI EGYETEM
ÓBUDA UNIVERSITY

Materials Sciences and
Technologies
Doctoral School

Anikó Bezesnyi (388 credits)

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

Dr. Mihály Réger
professor
President of the Council of the Doctoral School





File No: ÓE BGK ATDI 520/2022

Dated: Budapest, 2022. 03. 25.

Subject: review committee, new lecturer, subject, subject, student transfer, co-subject leader, subject accreditation

THE COUNCIL OF THE DOCTORAL SCHOOL

68. resolution

1. The Council proposes the public PhD thesis of **Saher Mohammed Azeez ALZURAJI** as follows:

The title of the thesis:

Synthesis of Organic-Inorganic Nanocomposites and Application in Water Oxidation

Thesis Supervisor: József Sándor Pap PhD senior research fellow, ELKH EK EKI

Workplace dispute

Location ELKH EC

Opponents: Csaba Balázs DSc scientific advisor, ELKH EK MFA
Balázs Endrődi PhD Associate Professor, SZTE

Public defence

Place: ÓE BGK Council Chamber (1081 Bp., Népszínház utca 8.) and online (BBB)

President Lászlóné Telegdi DSc prof. emerita, ÓE

Reserve chairman, member: Judit Borsa CSc prof. emerita, ÓE

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

Spare: Emilia Tálás PhD Senior Research Fellow, MTA TTK

Secretary: Anna Tünde Kovács PhD Associate Professor, ÓE

Tag: Dániel Zámbo PhD research fellow, ELKH EK MFA

Balázs Endrődi PhD Associate Professor, SZTE

Spare: Gábor Járvas PhD Senior Research Fellow, University of

Pannonia

2. The Council proposes the public PhD thesis of **Hassanen L. JABER** as follows:

The title of the thesis:

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

Thesis Supervisor: Anna Tünde Kovács PhD Associate Professor, ÓE



Workplace dispute

Location ÓÉ BGK Council Chamber (1081 Bp., Népszínház utca 8.) and online (BBB)
Opponents: Péter Pinke PhD Associate Professor, ÓÉ
Hargitai Hajnalka Dr. habil., Professor, SZE

Public defence

Place: ÓÉ BGK Council Chamber (1081 Bp., Népszínház utca 8.) and online (BBB)
President Endre Ruszinkó Professor, ÓÉ
Spare: Judit Borsa CSc prof. emerita, ÓÉ
Opponents János Dusza DSc Professor, ÓÉ
Hargitai Hajnalka Dr. habil., Professor,
Spare Tamás Réti DSc. prof. emeritus, ÓÉ
Secretary: Richárd Horváth PhD Associate Professor, ÓÉ
Tag: Péter Pinke PhD Associate Professor, ÓÉ
László Tóth CSc Professor, Lorraine University, Metz, France
Ibolya Zsoldos DSc Professor, SZE
Spare Mihály Réger DSc Professor, ÓÉ
Lászlóné Telegdi DSc prof emerita,

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

Zoltán Lábadi
senior research fellow (ELKH, EC) and

János Péter Rádics

the Head of the Department of Additive Manufacturing Technology and Innovative Design Methodology, Faculty of Mechanical and Safety Engineering, University of Óbuda, Bánki Donát, Hungary, the

part-time adjunct professor at the Budapest University of Technology and Economics, Faculty of Mechanical Engineering, Department of Mechanical and Product Design

4. The Council adds the following topic and item to the Training Plan:

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

Numerical methods for the evaluation of optical measurements (lecturer: Péter Petrik)

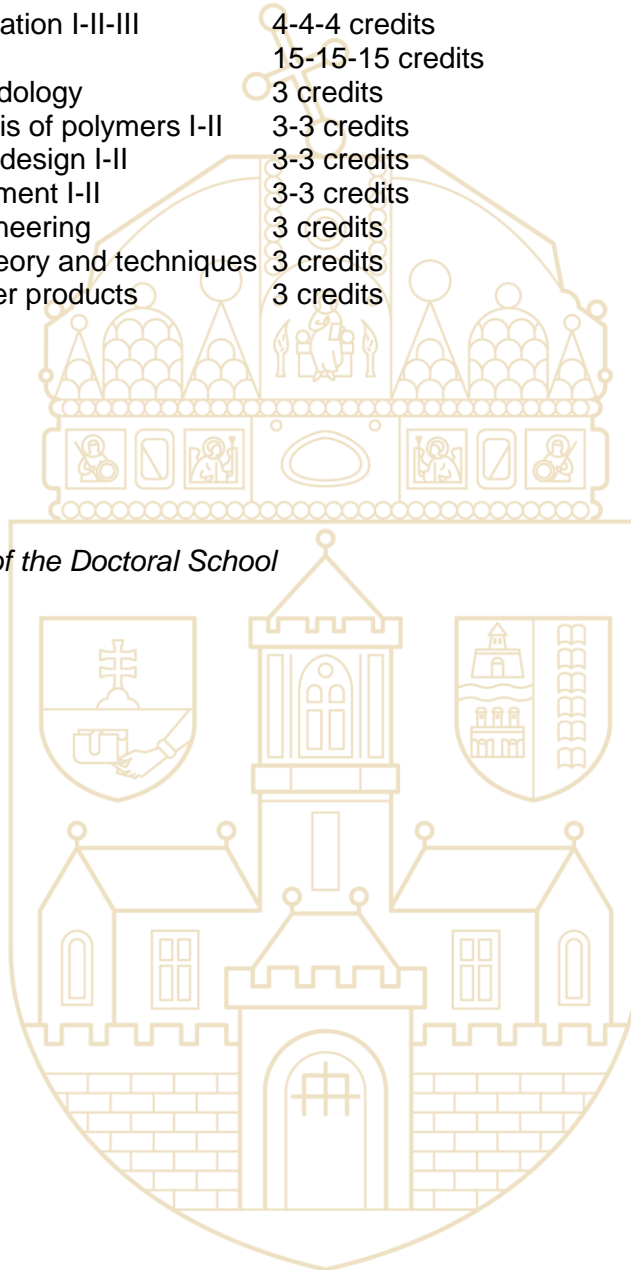
5. The Council recommends the admission of **Amal ZARRAMI**, a first-year Stipendium Hungaricum PhD student at the University of Miskolc, to the Doctoral School.



- The Council invites **János Péter Rádics** to act as co-director of the PhD student Levente Széles.
- The Council accepts the following subjects of **the BME Pattantyús-Ábrahám Géza Géza School of Mechanical Engineering** into the Doctoral School's training, and accepts the grade of Levente Széles PhD from these subjects, as indicated in the accreditation application and the submitted certificate.

Supervised education I-II-III	4-4-4 credits
Research I-II-III	15-15-15 credits
Research Methodology	3 credits
Structural analysis of polymers I-II	3-3 credits
Computer-aided design I-II	3-3 credits
Product development I-II	3-3 credits
Mechanical engineering	3 credits
Measurement theory and techniques	3 credits
Design of polymer products	3 credits

Dr. Mihály Réger
professor
President of the Council of the Doctoral School





File No: ÓE BGK ATDI 824/2022

Dated: Budapest, 20.05.20.

Subject: complex exams

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 69.

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

a.) Maroua Houria KAOU

Committee Chair: Judit Borsa CSc prof. emerita, ÓE

Members of the committee: Erzsébet Takács DSc Emer. research professor ELKH EK EKI

Lászlóné Telegdi DSc prof. emerita, ÓE

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

Cellulose chemistry (Borsa Judit)

Topic: development and structural characterization of bioceramics

Thesis leaders: Csaba Balázsi, Katalin Balázsi ELKH EK MFA

b.) Mohammed MUDABIRUDDIN

The committee is chaired by Endre Ruzinkó DSc, Professor, ÓE

Committee members: László Kuzsella PhD Associate Professor, ME

Balázs Mikó PhD Associate Professor ÓE

Subjects: analysis of damage failure for structural material (Kuzsella László)

The impact of industry 4.0 to the manufacturing technology (Mikó Balázs)

Topic: mathematical modelling for the ageing of technical system

supervisor: László Pokorádi CSc Professor, ÓE

c.) Levente SZÉLES

The Committee is chaired by Mihály Réger DSc, Professor, ÓE

Members of the committee: László Mihály Vas DSc c. Professor, BME

Viktor Gonda PhD Associate Professor, ÓE



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Doctoral School

Subjects: polymers (Vas László Mihály)

Finite Element Modelling of Material Technologies (Viktor Gonda)

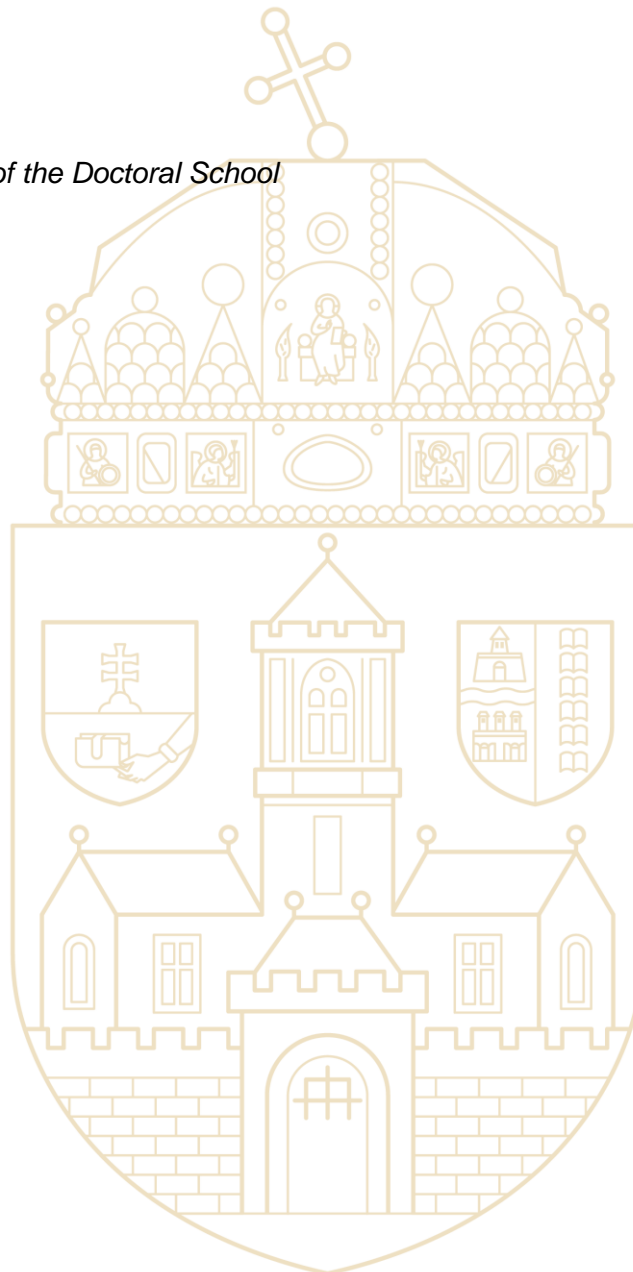
Topic: developing design guidelines for additive manufacturing technologies

Thesis Supervisor: Richárd Horváth PhD Associate Professor, ÓE

Dr. Mihály Réger

professor

President of the Council of the Doctoral School





File No: ÓE BGK ATDIT: 993/2022

Dated: Budapest, 2022. 06. 10.

Subject: new lecturer, new subject, admission, student reports, diploma, thesis committee, habilitation

THE COUNCIL OF THE DOCTORAL SCHOOL

70. resolution

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

- a) **Gábor PÓR** professor emeritus (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 will add the following **topics to** the Training Plan:

- a) The thermal problems of solar panels, their negative impact on operation and the possibilities of their reduction (Nemcsics Ákos)
- b) Intensification of small wastewater treatment plants using coating microorganisms attached to substrate and automated control based on mathematical relationships (Bodáné Kendrovics Rita, Szabó Anita)
- c) Modelling of transformation processes in welding thermal cycles (Mihály Réger)
- d) Industrial CT-based optimization of additive manufacturing process (Horváthné Drégelyi-Kiss Ágota)
- e) Study of the material composition and knitting technology of natural-based textile fabrics of cultural heritage (Tóth Tünde)
- f) Investigation of the metallurgical and mechanical properties of clad reactor structural elements (Judit Pázmán)



- g) Technological investigation of friction stir welding (Richárd Horváth)
- h) Investigation of lath martensite produced during laser beam welding of boron micro-alloyed steels (Enikő Fábán)
- i) Development and application of advanced non-destructive material testing methods in nuclear power plant environment (Gábor Pór)
- j) Plastic deformation on curved load paths (Endre Ruzinkó)

32. The Council proposes the following applicants **for full-time scholarships**:

Lajos Norbert Berecz

Topic: Thermal problems and energy efficient solutions for solar panels
Thesis Supervisor: Ákos Nemcsics, Professor, ÓE

Róbert Kohlhéb

Topic: modelling of transformation processes in the welding cycle
Thesis Supervisor: Mihály Réger, Professor, ÓE

Attila Marczis

Topic: CT-based optimisation of an additive manufacturing process
Thesis Supervisor: Ágota Drégelyi-Kiss Horváthné Associate Professor, ÓE

Aniko Moór

Topic: material characterisation of the early silk weavings in the Museum of Applied Arts
Thesis leader: Tünde Tóth Senior Research Fellow, ELKH EK

Róbert Stadler

Topic: technological investigation of friction stir welding
Thesis Supervisor: Richárd Horváth Associate Professor, ÓE

The Council proposes to **admit** the following applicants for **part-time (fee-paying) training**:

Tamás Kloknicer

Theme: intensifying wastewater treatment with smart microreactors
supervisors: Anita Szabó CEO, INNO-WATER
Rita Bodáné Kendrovics Associate Professor, ÓE RKK



Zsuzsa Szabadi Olesnyovics

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

Thesis Supervisor: Judit Pázmán Associate Professor, University of Dunaújváros

Sándor Takács

Topic: investigation of sphalerite martensite produced during laser beam welding of boron micro-alloyed steels

Thesis Supervisor: Enikő Réka Fábián Associate Professor, ÓE BGK

The Council confirms the proposal to the Tempus Public Foundation **to admit** the next applicant for the **Stipendium Hungaricum** full-time scholarship:

KHAN, Kashif Ullah (India)

Topic: preparation and investigation of nanocomposites with polymer matrix

Thesis Supervisor: Andrea Ádámné Major Associate Professor, Neumann János University

33. The Council accepts **the completion of the** following students' **Research Project and Research Report:**

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

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

The Council accepts the following students **for completion of the Research Project and Research Report**, subject to successful **completion of** their complex examinations:

Kaou Houria Maroua

Levente Széles

Mohammed Mudabbiruddin



34. The Council awards the **diploma to** the following students.

Nikolett Hegedűs (318 credits)

Attila Kenéz (330 credits)

35. The Council proposes the public PhD thesis of **Richard Nagy** as follows:

The title of the thesis:

Experimental and numerical investigation of the plastic deformation of nuclear fuel cladding tubes on different time scales

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

Workplace debate (for information)

Location: ELKH EK

Opponents: Viktor Gonda PhD Associate Professor, ÓE

Gusztáv Mayer PhD senior research fellow, ELKH EK

Public defence

Place: ÓE BGK Council Chamber (1081 Bp., Népszínház utca 8.) and online (BBB)

President: Mihály Réger DSc Professor, ÓE

Reserve: Judit Borsa CSc prof. emerita, ÓE

Opponents: Viktor Gonda PhD Associate Professor, ÓE

Valéria Mertinger DSc Professor, ME

Reserve: Péter Trampus DSc, Professor, DUE

Tamás Gábor Katona DSc prof. emeritus, PTE

Secretary: Richárd Horváth PhD Associate Professor, ÓE

Member: Endre Ruzinkó DSc, Professor, ÓE

Gusztáv Mayer PhD senior research fellow, EC

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 proposes the following committees **for the habilitation procedure for Tünde Kovács:**

Habitus Examination Committee:

President: Judit Borsa CSc, Professor, ÓE
Tags: Alexis RUSINEK Full Professor (Lorraine University, Metz)
János Dusza DSc, Professor, ÓE

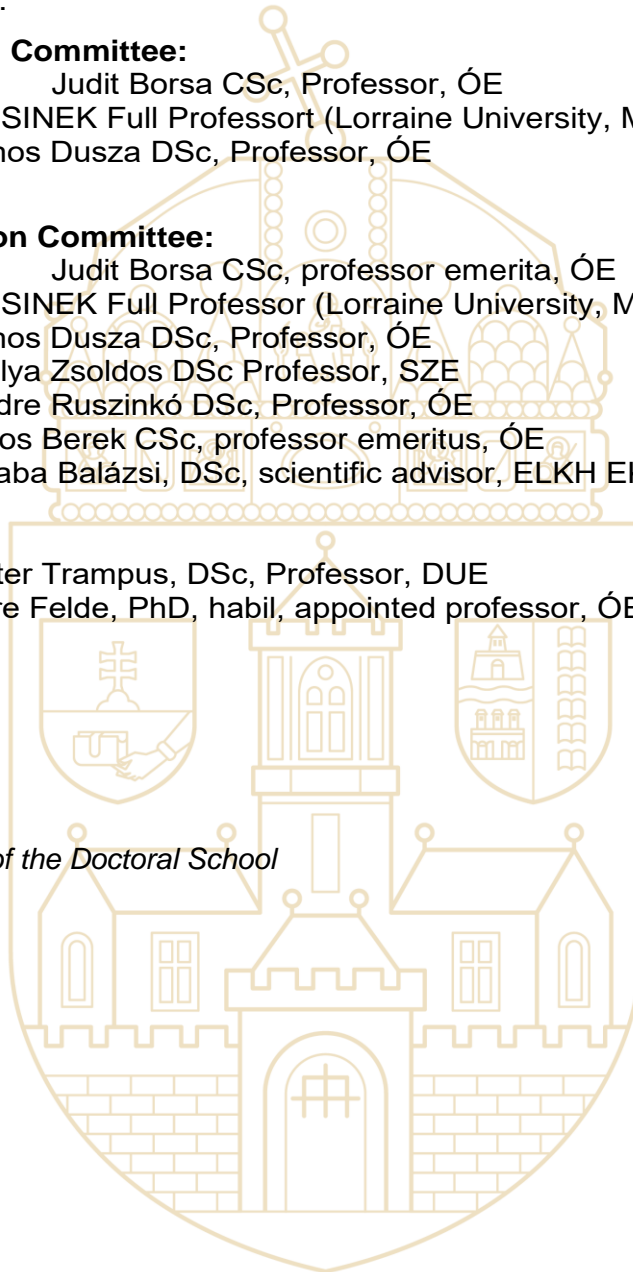
Professional Selection Committee:

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

Spare:

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

Dr. Mihály Réger
professor
President of the Council of the Doctoral School





Subject: abszolutórium, new subject, habilitation

THE COUNCIL OF THE DOCTORAL SCHOOL

71. decision of

37. The Council awards the **diploma to Zoltán Barnabás Tóth** (421 credits).

38. The Council shall add the following subjects to the Training Plan

- a) Chemistry of fibrous materials (Tóth Tünde)
- b) Protein-based card systems (Tóth Tünde)

39. The Council proposes the following committees **for the habilitation procedure of Viktor Gonda:**

Habitus Examination Committee:

President: Judit Borsa CSc, Professor, ÓE
Tags: Jurij Sidor DSc, Professor, ELTE
Endre Ruzinkó DSc, Professor, ÓE

Professional Selection Committee:

President: Judit Borsa CSc, professor emerita, ÓE
Tags: Jurij Sidor DSc, Professor, ELTE
Endre Ruzinkó DSc, Professor, ÓE
Ferenc Szlivka CSc Professor, ÓE
Tamás Réti DSc, Professor, ÓE
Béla Palotás CSc, professor emeritus, DUE
Péter János Szabó, DSc, Professor, BME

Spare:

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

Dr. Mihály Réger
professor

President of the Council of the Doctoral School



File No: ÓE-BGK ATDIT
Done at Budapest, 20. 10. 2022.

Subject: degree, member of the staff, DIT member

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 72.

1. The Council proposes

Sahir Mohammed Azeez ALZURAIJI

the award of a **PhD degree** with the distinction "Summa cum laude".

2. The Council thanks

János Dusza

Professor, external member of the Hungarian Academy of Sciences

and

Sándor Pekker
scientific advisor

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

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

Csaba Balácsi
scientific adviser

a member of the staff of the Institute of Physics and Materials of the Eötvös Loránd Research Network Energy Research Centre and

Mrs Andrea Pap Csikós
associate professor

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



4. The Council thanks

Zoltán Juvancz
retired professor

as a full member and then as a member of the Doctoral Council, and relieves him/her of his/her membership of the Doctoral Council.

5. The Council thanks

Miklós Zrínyi
for academics

his or her activities as a member of the Doctoral Council and shall be released from membership of the Doctoral Council.

6. The Council proposes to the Doctoral Council

Zoltán Hózer
academic advisor, a member of the Doctoral School staff.

Csaba Balácsi
scientific adviser

a member of the staff of the Institute of Physics and Materials of the Eötvös Loránd Research Network Energy Research Centre and

Mrs Andrea Pap Csikós
associate professor

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

7. The Council considers that the dissertation of **Eliza Angeli** is mainly related to the paper industry and therefore a change of the co-dissertation supervisor is justified. The Council thanks **Szilvia Klébert**, Senior Research Fellow (ELKH TTK) for her work so far and relieves her of her duties and assigns **László Koltai**, habilitated associate professor, head of the University's paper industry training programme, editor-in-chief of the journal *Papíripar c.*, to take over the duties of co-subject leader.

8. The Board supports the organisation of the semesterly doctoral reports in several



sessions . The Council of the Doctoral School is represented by at least 3-3 members in each section.

9. The Council proposes **the modification of the members participating in the procedure for the PhD degree of Eliza Angeli (decision 53/2):**

Thesis title: Solvent retention of cellulose based packaging materials

supervisors Rozália Szentgyörgyvölgyi PhD Associate Professor, ÓE
László Koltai PhD, Associate Professor, ÓE

Workplace debate (in Hungarian)

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

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

Public debate (in Hungarian)

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

Opponents Péter Böröcz PhD Professor, SZE
Erzsébet Novotny habilitated PhD c. Associate Professor, ANY Security
Printing House Plc.

President Judit Borsa CSc professor emerita, ÓE

Secretary Richárd Horváth PhD, Associate Professor, ÓE

Tags Zoltán Juvancz DSc Professor, ÓE

Lívia Kokasné Palicska PhD, Innovatext Textile Technical Development
and Testing Institute Zrt.

Tünde Tóth PhD ELKH EK, habilitated associate professor, BME

Reserve President/Secretary Lászlóné Telegdi DSc professor emerita, ÓE

Reserve member Mihály Réger DSc, Professor, ÓE

Dr. Mihály Réger
professor

President of the Council of the Doctoral School



DECISION No 73

TAMÁS ZEFFER ATDI 2nd year PhD student on the topic

Sensor circuits implemented using thin film technology

17.10.2022, ÓE BGK Council Chamber

Present are

Tamás Zeffer PhD student
Mrs Andrea Pap Csikós subject leader

Balázs Kovács OE
János Mizsei BME
Béla Szentpáli ELKH EKK MFA

Gábor Harsányi BME, ATDI DIT
Judit Borsa ATDI DIT
Zsolt József Horváth ATDI DIT
Ákos Nemcsics ATDI DIT
Mihály Réger ATDI DIT

After the presentation by Tamás Zeffer, several questions and suggestions were made. The opinions of those present can be summarised as follows:

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

Mihály Réger
professor
Head of the Doctoral School



File No: ÓE-BGK ATDIT 1698/2022
Done at Budapest, 27.10.2022.

Subject: Member of the Council, DIT member

THE COUNCIL OF THE DOCTORAL SCHOOL

74. resolution

1. The Council proposes to the Doctoral School **as a full member** and a **member of the Doctoral School Council**

Ervin Rác

associate professor

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

Dr. Mihály Réger

professor

President of the Council of the Doctoral School



File No: ÓE-BGK ATDIT 1737/2022
Done at Budapest, 2022. 11. 08.

Subject: new member, award of PhD degree

THE COUNCIL OF THE DOCTORAL SCHOOL

75. resolution

1. The Council proposes that **the following persons be appointed as members of the Doctoral School**

Péter Kádár

university teacher

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

2. The Council proposes

Richard the Great

the award of a **PhD degree** with the distinction "Summa cum laude".

Dr. Mihály Réger

professor

President of the Council of the Doctoral School



File No: ÓE-BGK

Dated: Budapest, 2022. 12. 07.

Subject: new teacher, new topic, change of topic, change of supervisor, PhD degree

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 76.

1. The Council shall admit to the teaching staff of the Doctoral School
 - a) **Ádám Gali**, professor at the Faculty of Natural Sciences of the Budapest University of Technology and Economics, Deputy Scientific Director of the Institute of Solid State Physics and Optics at the Wigner Research Centre for Solid State Physics and Optics at the ELKH,
 - b) **Amir Mosavi**, Associate Professor at the Neumann János University of Óbuda, Faculty of Computer Science,
 - c) **Dániel Zámbó**, research fellow at the ELKH Energy Science Research Centre.
2. The Council will add the following topics to the training plan:
 - 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 of major group IV (Ádám Gali)
 - c) New electrode materials for biopotential measurements (Márton Gergely)
 - d) Computer photocatalysis / Computational photocatalysis (András Stirling)
 - e) Deep cooling heat treatment of tool targets (Péter Pinke, László Tóth)
 - f) Development and application of two-phase microfluidic systems for bioanalytical purposes (Péter Fűrjes)
3. The Council authorises the 1st year PhD student **Róbert Kohlhéb** to change his

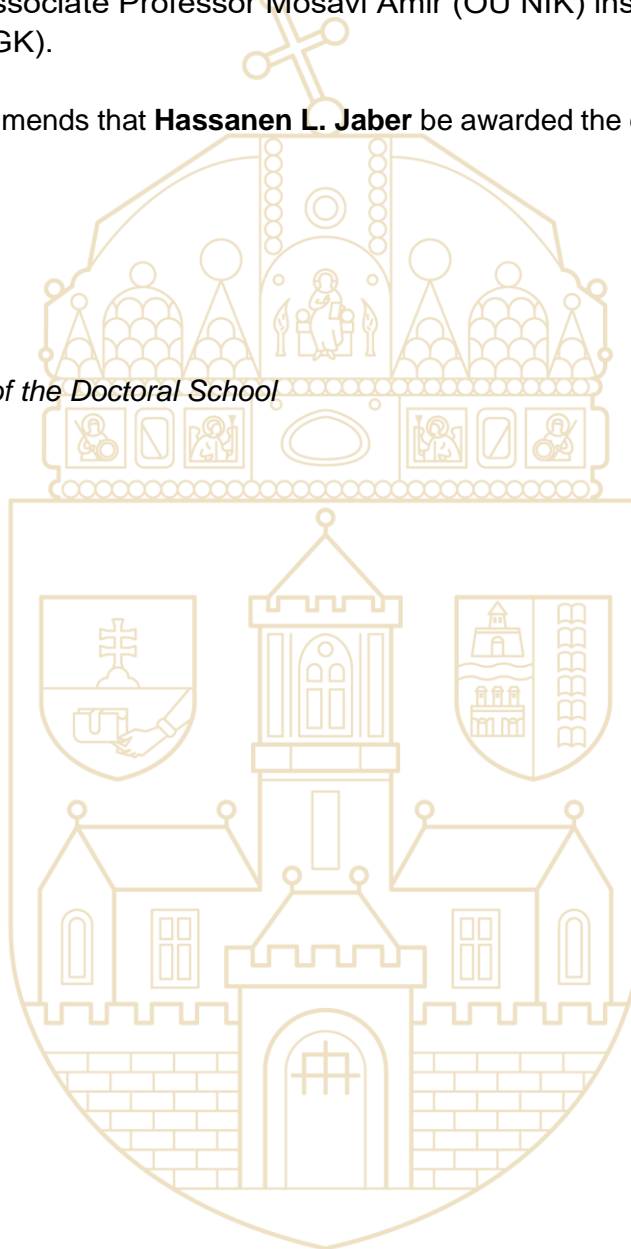


research topic:

Modelling of transformation processes in welding thermal cycles *instead of*
Friction and load-bearing characteristics of metal/polymer and polymer/polymer
material pairs

4. The Council authorises the third-year student **Mohammed Mudabbiruddin** to be supervised by Associate Professor Mosavi Amir (OU NIK) instead of Professor László Pokorádi (OU BGK).
5. The Council recommends that **Hassanen L. Jaber** be awarded the degree of PhD *summa cum laude*

Dr. Mihály Réger
professor
President of the Council of the Doctoral School





File No: ÓE-BGK 187/2023
Done at Budapest, 14.02.2023.

Subject: student reports, diploma, new teacher, new subject,
new subject, change of subject, admission, accreditation, examination board

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 77.

1. The Doctoral Council, on the basis of the **students'** written report and the presentation at the end-of-semester conference, **approves the following students' "Research Project" and "Research Report":**

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

2. The Council awards the diploma to the following students:

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

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

Györök György University Professor,

a lecturer at the Alba Regia Faculty of Technology of Óbuda University.

4. The Council will add the following **topics** to the **training plan:**

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



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

5. The Council will add the following **subjects to the training plan**:

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

6. The Council authorises the 3rd semester PhD student **Márton Schramkó** to change his research topic:

Investigating the mechanism of weld crack formation *instead of*
Effect of shielding gases on ultraviolet radiation during arc welding

7. **Recordings from**

The Council **proposes** to the following candidates

full-time scholarships:

a) **Szabolcs Czene 100 points**

Topic: materials science investigation of nanostructures composed of main group IV elements

Thesis supervisor: Ádám Gali professor BME, deputy scientific director ELKH Wigner Research Centre for Solid State Physics and Optics Institute

b) **László József Mónus 100 points**

Topic: development of new joints in bow structures, material development, fibre reinforcement, surface treatment and weight reduction with modern materials and composites

Thesis Supervisor: Enikő Réka Fábián PhD Associate Professor, ÓE BGK

c) **Zsombor Szomor 100 points**



Topic: development and application of two-phase microfluidic systems for bioanalytical purposes

Thesis Supervisor: Péter Fürjes PhD Laboratory Head, ELKH EK MFA
Microsystems Laboratory

d) **Viktor Vass 100 points**

Topic: life cycle analysis: processes related to electric battery production

Thesis leader: Györök György

training at a reduced cost:

István Elek Kiss 60 points

Topic: Dynamic arc stabilisation options for MIG/MAG welding with consumable electrode shielded arc

Thesis Supervisor: Károly Széll PhD Adjunct Professor, ÓE ARMK

individual coaches:

a) **Farkas Róbert 100 points**

Topic: Changes in the material structure of nuclear fuel elements under accident conditions

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

b) **Tamás Fekete 100 points**

Topic: Structural integrity issues of large pressure vessel systems

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

The Council **does not recommend the admission of** an applicant for individual preparation

Mohammadreza Azodinia PhD 35 points

Topic: Computational Materials Design Innovations with Machine Learning

Thesis Supervisor: Amir Mosavi PhD Associate Professor, ÓE NIK

Justification

- the topic is not a material science topic
- the candidate's prior studies do not correspond to the MSc qualifications indicated in the Doctoral School's curriculum
- the applicant's publication list does not include material science elements

8. The Council took the following decision on the accreditation applications received:



a) **include in the training** the following subjects and credits

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

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

b) **does not admit you to training**

From the preliminary studies of **Tamás Zeffer** (PPKE PhD course)

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

Justification

- Subject programmes cannot be credibly justified
- The Council does not wish to receive objects more than 10 years old

9. The Council proposes the public PhD thesis of **Nikolett Hegedűs** as follows:

The title of the thesis:

Investigation of radio frequency sputtered silicon and silicon nitride thin films

Chairs: Csaba Balázs, Katalin Balázs, ELKH EK MFA

Workplace dispute

Location: ELKH EK

Pre-qualifiers:

Miklós Fried, DSc, scientific advisor, ELKH EK MFA

Zoltán Károly, PhD, Head of Department, ELKH RTH



ÓBUDAI EGYETEM
ÓBUDA UNIVERSITY

Materials Sciences and
Technologies
Doctoral School

Public defence

Place: ÓE BGK Council Chamber (1081 Bp., Népszínház utca 8.) and online (BBB)

Chair: Lászlóné Telegdi DSc, prof. emerita, ÓE

Reserve Chair: Judit Borsa CSc, prof. emerita, ÓE

Secretary: Tünde Kovács, PhD, Associate Professor, ÓE

Opponents:

Zoltán Károly, PhD, Head of Department, ELKH RTH

Attila Csík, PhD, senior research fellow, ATOMKI

Additional referee: Péter Baumli, PhD, Professor, University of Miskolc

Tags:

Zsolt József Horváth, DSc, prof. emeritus, ÓE

Jenő Gubicza, DSc, Professor, ELTE

Sándor Pekker, DSc, ELKH Wigner

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

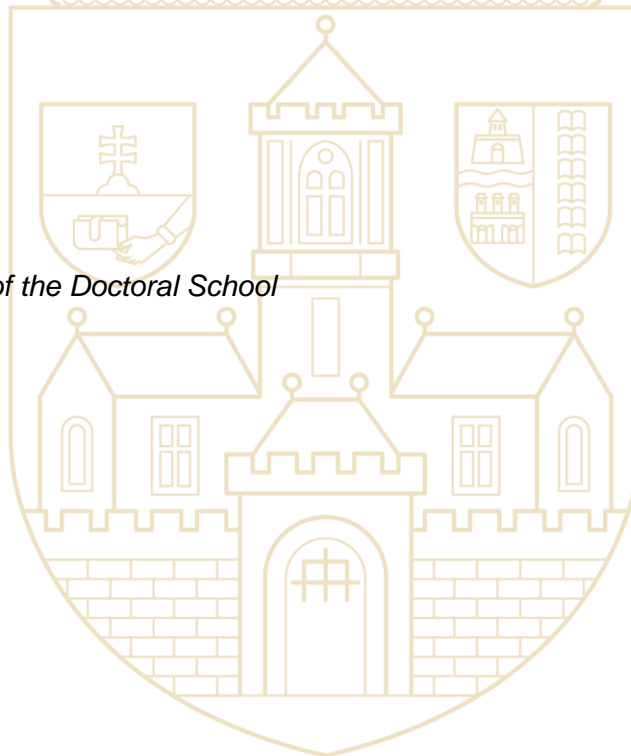
Tamás Csanády, PhD, research fellow IMR

Zoltán Hózer, DSc, Head of Laboratory ELKH EK AEKI

Dr. Mihály Réger

professor

President of the Council of the Doctoral School





File No: ÓE BGK ATDIT
Done at Budapest, 11.04.2023.

Subject: new lecturer, new member of staff, admission of subjects, complex examinations, defence committee, habilitation committee

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 78.

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

Mária Marosné Berkes University teacher,

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

Imre Felde, professor,

a lecturer at the Neumann János Neumann Faculty of Computer Science at Óbuda University.

11. The Council proposes that **the following be appointed as members of the** Doctoral School

**Mária Marosné Berkes University teacher and
Imre Felde, professor.**

12. The Council **will include** the following subjects in the **course**, worth 6-6 credits:

Development and application of nature-inspired algorithms (AIAMDI, Imre Felde)
Design of measurements, evaluation of results (AIAMDI, Ervin Rácz)
Empirical models, mathematical modelling (BDI, Richárd Horváth)

13. The Council **admits Szabolcs Czene** from his preliminary studies (ELTE PhD



course)

Directed Research I-IV 4x15 credits, signature: 60 credits

Report I-II 2x6 credits, signature: 12 credits

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

a) **Bató**

The committee is chaired by Zsolt József Horváth, Prof. emeritus, ÓE

Committee members: Erzsébet Takács DSc, ELKH EK EKI

Lászlóné Telegdi DSc prof. emerita, ÓE RKK

Subjects: semiconductor devices and technologies (Zsolt József Horváth)

Selected chapters in materials analysis methods I (SEM, AFM, FTIR)

(Erzsébet Takács, Lászlóné Telegdi)

Topic: cell analytical microfluidic microsystems for drug screening

Thesis Supervisor: Péter Fűrjes PhD Senior Research Fellow, Head of Laboratory, ELKH EK MFA

b) **Berhane, Nugusse Zereay**

Chair of the committee: Lászlóné Telegdi DSc prof. emerita, ÓE

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) (Takács

Erzsébet, Telegdi Lászlóné)

Optical characterization of thin layers (Petrik Péter)

Topic: Non-destructive Optical Mapping Tools From Cheap Parts

Thesis leader: scientific advisor Miklós Fried, ELKH EK

c) **Szabolcs Czene**

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

Committee members: Erzsébet Takács DSc ELKH EK EKI

Zoltán Juvancz DSc professor

Subjects: selected chapters from the methods of materials analysis (SEM, AFM, FTIR)

(Erzsébet Takács, Lászlóné Telegdi)

Advanced separation methods in materials research (Zoltán Juvancz)

Topic: materials science investigation of nanostructures composed of main group IV elements

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

d) **Tamás Fekete**

The committee is chaired by Endre Ruzsinkó DSc, Professor, ÓE BGK

Members of the committee: Anna Tünde Kovács PhD Associate Professor, ÓE BGK

Péter Trampus DSc prof. emeritus, University of Dunaújváros



Subjects: fracture mechanics (Kovács Tünde Anna)
Materials for nuclear power plants (Péter Trampus)
Topic: Advanced methodology for structural integrity analysis of large pressure vessel systems
Thesis Supervisor: Zoltán Hózer DSc Scientific Advisor Laboratory Head, ELKH EK AEKI

e) **Eszter Lencz**

Chair of the committee: Lászlóné Telegdi DSc prof. emerita, ÓE RKK
Committee members: Erzsébet Takács DSc ELKH EK EKI
Lívía Kokasné Palicska PhD, CEO, INNOVATEXT Textile Technical
Development and Testing Institute Zrt.

Subjects: selected chapters from the methods of materials analysis (SEM, AFM, FTIR)
(Erzsébet Takács, Lászlóné Telegdi)
Functional textile and clothing products (Mrs. Lívía Kokas Palicska)
Topic: conservation of man-made fibre artefacts using materials science methods
Supervisors: Mariann Halász, Professor, ÓE RKK
Gábor Tamás Orosz PhD habilitated Associate Professor, ELTE IK

f) **Mukherjee, Deshabrato**

Chair of the committee: Lászlóné Telegdi DSc prof. emerita, ÓE RKK
Committee members: Erzsébet Takács DSc, ELKH EK EKI
Miklós Fried DSc, ELKH EK MFA
Subjects: selected chapters of materials testing methods (Takács Erzsébet, Telegdi Lászlóné)
Optical characterization of thin layers (Fried Miklós)
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: Lászlóné Telegdi DSc prof. emerita, ÓE
Committee members: Péter Petrik DSc scientific advisor, ELKH EK MFA
Katalin Balácsi PhD Laboratory Manager, ELKH EK MFA
Subjects: optical characterization of thin layers (Péter Petrik).
Transmission electron microscopy for structural investigations of different materials (Katalin Balácsi)
Topic: combinatorial preparation and characterization methods for high through-put study of advanced functional materials
Thesis leader: scientific advisor Miklós Fried, ELKH EK

h) **Ferenc Oláh**

Committee chairman: Tamás Réti DSc prof. emeritus, ÓE BGK
Members of the committee: Viktor Gonda PhD habilitated associate professor, ÓE BGK
László Kuzsella PhD Associate Professor, University of Miskolc



Subjects: finite element modelling of materials technologies (Viktor Gonda)
Modelling of thermally activated transformation processes in alloys (Tamás Réti)
Topic: surface coatings and coatings characterisation
Thesis Supervisor: Richárd Horváth PhD Associate Professor, ÓE BGK

i) **Shbanah, Mariam**

Committee Chair: Judit Borsa CSc prof. emerita, ÓE RKK
Members of the committee: Zsolt József Horváth DSc, prof. emeritus ÓE KVK
László Kuzsella PhD Associate Professor, University of Miskolc
Subjects: semiconductor devices (Horváth Zsolt József)
Synthetic fibres and technical textiles (Borsa Judit)
Topic: development of composite materials for the electromagnetic interference (EMI) shielding
Thesis Supervisor: Anna Tünde Kovács PhD habilitated Associate Professor, ÓE BGK

j) **Taha, Zoubeida**

Committee Chair: Judit Borsa CSc prof. emerita, ÓE RKK
Committee members: Károly Belina CSc prof. emeritus, NJE
Sándor Pekker DSc Research Professor, ÓE, ELKH Wigner Research Centre for Physics
Subjects: polymer chemistry and physics (Pekker Sándor)
Investigation of plastics and plastic composites (Belina Károly)
Topic: preparation and investigation of nanocomposites with polymer matrix
Thesis Supervisor: Ádámné Andrea Major Associate Professor, NJE

k) **Tamás Zeffer**

The committee is chaired by Zsolt József Horváth, Prof. emeritus, ÓE
Committee members: Zoltán Fekete PhD senior research fellow PPKE
Harsányi Gábor DSc professor BME
Subjects: semiconductor devices and technologies (Zsolt József Horváth)
BioMEMS: miniaturised biosensors (Zoltán Fekete)
Topic: neuromorphic sensor based on phase change layer
Thesis Supervisor: Andrea Csikósné Pap PhD Associate Professor, ÓE KVK
Consultant: János Volk PhD research fellow, ELKH EK MFA

15. The Council proposes the following for **public PhD theses**:

Bálint Varga

Title of the thesis: Micro- and macro-precision analysis of free-form mart surfaces
Thesis Supervisor: Balázs Mikó PhD habilitated Associate Professor, ÓE BGK

Workplace dispute



Place: ÓE BGK

Assessors: Csaba Felhő PhD Associate Professor, ME
Márton Takács PhD Assistant Professor, BME

Public defence

Place: ÓE BGK Council Chamber (1081 Bp., Népszínház utca 8.)

President: Mihály Réger DSc Professor, ÓE BGK

Reserve Chair: Endre Ruzinkó DSc Professor, ÓE BGK

Secretary: Péter Varga PhD Assistant Professor, ÓE BGK

Opponents: István Gyurika PhD Associate Professor, PE
Csaba Felhő PhD Associate Professor, ME

Members: Márton Takács PhD, BME

Viktor Gonda habilitated Associate Professor, ÓE BGK

Árpád Czifra PhD Associate Professor, ÓE BGK

Reserve member: Attila Friedrich PhD, Managing Director, Mitutoyo Hungaria Kft.

16. The Council recommends that the habilitation procedure of **Tamás Csiszér** be carried out as follows

Habitus Examination Committee:

President: Mihály Réger dr. habil DSc, Professor, ÓE

Tags: Ildikó Csóka, dr. habil. PhD, Professor, SZTE.

Marianna Halász dr.habil CSc, professor, ÓE

Professional Selection Committee:

President: Mihály Réger dr. habil DSc, Professor, ÓE

Tags: Csóka Ildikó dr. habil. PhD, Professor, SZTE

Marianna Halász dr.habil CSc, professor, ÓE

Hargitai Hajnalka dr. habil. PhD Professor, SZE

Tamás Réti dr. habil DSc Professor, ÓE

Béla Palotás dr. habil CSc professor emeritus, DUE

Anna Tünde Kovács dr. habil PhD Associate Professor, ÓE

Spare:

Péter János Szabó DSc Professor, BME

László Pokorádi DSc Professor, ÓE

Dr. Mihály Réger

professor

President of the Council of the Doctoral School



File No: ÓE-BGK ATDI 672/2023

Dated: Budapest, 2023. 05. 23

Subject: dissertation committee, new lecturer, new subject, recruitment, absolute doctorate, dismissal of a student, new co-subject leader, formal requirements for student report and work plan, ATDI self-evaluation

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 79.

17. The Council recommends the public PhD thesis of **Ali Alhilfi** as follows:

The title of the thesis:

The Effect of Ultrasound on the Inelastic Deformation of Metals

Thesis Supervisor: Endre Ruzinkó DSc Professor, ÓE

Workplace dispute

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

Pre-qualifiers:

Sidor Jurij DSc Professor, ELTE

Péter Varga PhD assistant professor, ÓE

Public defence

Place: ÓE BGK Council Chamber (1081 Bp., Népszínház utca 8.) and online (BBB)

Chair: Judit Borsa CSc, prof. emerita, ÓE

Vice-Chair: Mihály Réger DSc Professor, ÓE

Secretary: Judit Lukács PhD, Associate Professor, ÓE

Opponents:

Sidor Jurij DSc Professor, ELTE

Viktor Gonda PhD Associate Professor, ÓE

Additional referee: János Dusza, DSc, Director, IMR SAS

Tags:

László Tóth CSc Research Professor, Univ. of Lorraine, Lab. of Excellence 'DAMAS'

Imre Czinege CSc prof. emer., SZE

Péter Varga PhD assistant professor, ÓE



Reserve member: János Dusza DSc, Director, IMR SAS

Tamás Réti DSc prof. emer. Ó

Alexis Rusinek PhD, Lorraine University, Metz, France

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

Dombi

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

Péter Rácz

physicist, Senior Research Fellow at the Institute of Solid State Physics and Optics at the ELKH Wigner Institute for Solid State Physics and Optics.

19. The Council will add the following topics to the Training Plan:

- a.) Investigation of the laser scattering threshold of innovative optical elements (Péter Dombi, Péter Rácz)
- b.) Integrated MEMS force sensors in medical technology: minimally invasive and implantable systems (Péter Fürjes, János Volk)
- c.) Increasing the efficiency of the impregnation technology used for the windings of electric motors in the automotive industry (Marosné Berkes Mária)
- d.) Investigation and development of tribological behaviour of advanced multilayer superhard coatings (Marosné Berkes Mária)
- e.) Research on materials science and technological processes supported by bio-inspired methods (Imre Felde)

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

- 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 (subject leader: Tünde Kovács) 100 points
- d) Sara Ines Moussaoui Algeria (supervisors: János Dusza, Péter Pinke) 100 points
- e) Ouddoud Hanane Morocco (subject leader: Tünde Kovács) 90 points

21. The Council awards the following students the diploma of Master of Arts

Al-Hilfi Ali Hameed (494 credits)

Mgherony Abdul Whab (352 credits)

22. The Council dismisses the PhD student Dao Duy Anh who has not enrolled after two passive



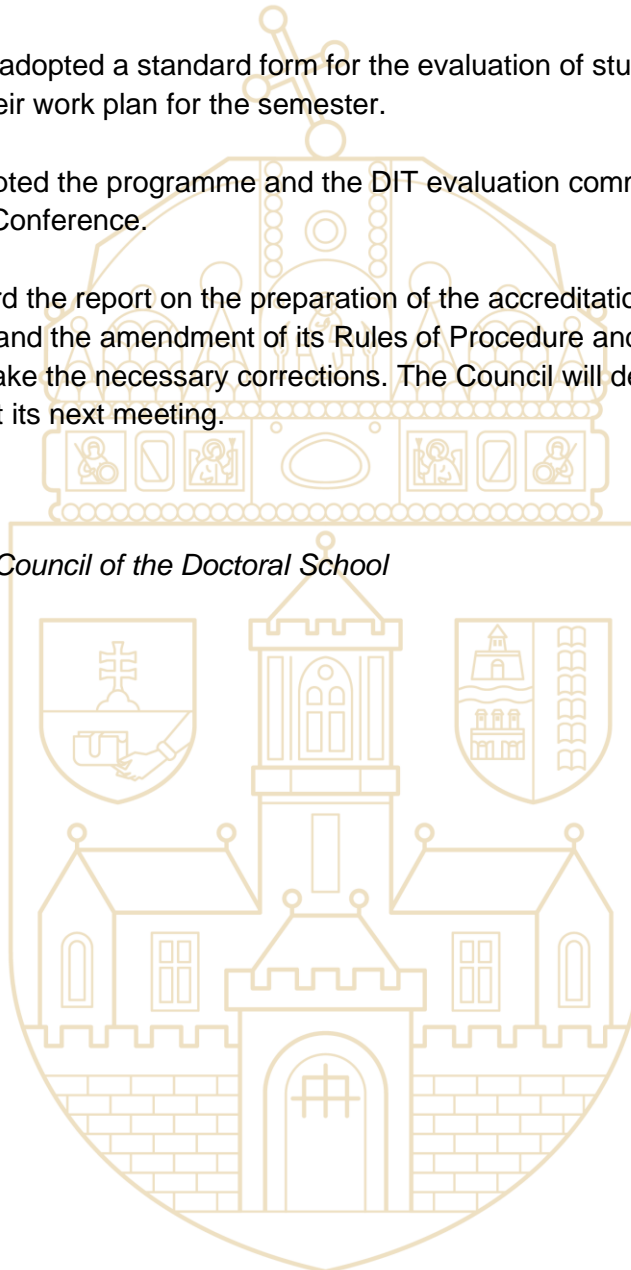
semesters.

23. The Council invites **János Volk**, research associate at the ELKH MFA, to supervise the research of Tamás Zeffer PhD student as co-supervisor with Andrea Csikósné Pap, associate professor.
24. The Council has adopted a standard form for the evaluation of students' work and the preparation of their work plan for the semester.
25. The Council adopted the programme and the DIT evaluation committees for the 2023 June Doctoral House Conference.
26. The Council heard the report on the preparation of the accreditation self-evaluation of the Doctoral School and the amendment of its Rules of Procedure and asked the President of the Council to make the necessary corrections. The Council will decide on the final version of the documents at its next meeting.

Dr. Mihály Réger

professor

President of the Council of the Doctoral School





File No: ÓE-BGK ATDI 812/2023

Dated: Budapest, 2023. 06. 06.

Subject: new topic, habilitation committee

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 80.

27. The Council will add the following topics to the Training Plan:

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

28. The Council recommends that **Ágota Drégelyi Horváthné** be habilitated as follows

Habitus Examination Committee:

President: Judit Borsa dr. habil. CSc prof. emer., ÓE
Tags: Sándor Kemény, dr. habil. DSc prof. emer., BME
Hermann Gyula dr.habil. CSc

Professional Selection Committee:

President: Judit Borsa dr. habil. CSc prof. emer., ÓE
Tags: Sándor Kemény, dr. habil. DSc prof. emer., BME



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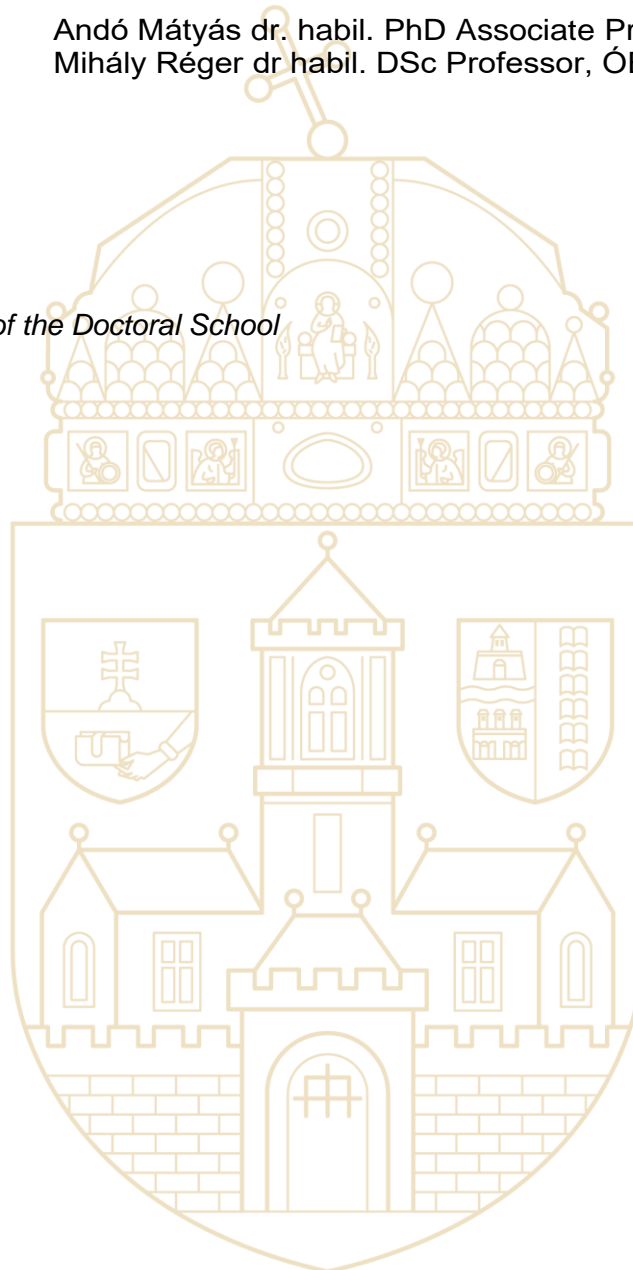
Materials Sciences and
Technologies
Doctoral School

Hermann Gyula dr.habil. CSc
Marianna Halász dr.habil CSc, professor, ÓE
Tamás Réti dr. habil. DSc Professor, ÓE
Bitay Enikő dr. habil. PhD MTA Associate Professor, Sapientia
Endre Ruszinkó dr. habil. DSc Professor, ÓE

Spare:

Andó Mátyás dr. habil. PhD Associate Professor, ELTE
Mihály Réger dr.habil. DSc Professor, ÓE

Dr. Mihály Réger
professor
President of the Council of the Doctoral School





File No: ÓE-BGK

Dated: Budapest, 2023. 07.04.

Subject: new teacher, new subject, admission, student transfer,
semesterly report, PhD thesis committee, accreditation self-evaluation and Code of Conduct

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 81.

29. The Council will admit to the teaching staff

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

Dr. Ádám Vida, a staff member of Bay Zoltán Applied Research Nonprofit Ltd.

30. The Council will add the following topics to the Training Plan:

- g. The applicability of high-entropy alloys for wear-resistant surfaces (Enikő Réka Fábián)
- h. Oxidation and stability of high entropy alloys for high temperature applications (Enikő Réka Fábián)
- i. Development of manufacturing technology and reliability studies of lead-free solder joints (Viktor Gonda)
- j. Investigation and development of the surface engineering and tribological behaviour of advanced PVD/PACVD multilayer coatings for plastic tools (Marosné Berkes Mária, Horváth Richárd)

31. The Council recommends the following candidates for **admission to the Doctoral School**:

Scholarships for training

János Mark Bozorádi

Topic: Integrated MEMS force sensors for medical applications

Supervisors Péter Fürjes PhD Head of Laboratory ELKH EK

János Volk PhD research fellow, ELKH EK MFA

Béla Bódi

Topic: development of production technology and reliability tests for lead-free solder joints

Thesis Supervisor: Viktor Gonda PhD, Associate Professor, ÓE BGK



Ádám Inger

Topic: laser scattering threshold testing of innovative optical elements

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

János Kuti

Topic: Material structural changes during thermal cutting of high strength steels

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

Attila Széll

Topic: investigation and development of tribological behaviour of advanced multilayer superhard coatings

Thesis Supervisor: Mária Marosné Berkes PhD, ÓE BGK
Richárd Horváth PhD Associate Professor, ÓE BGK

Part-time fee-paying training

Ferenc Hareancz

Topic: The applicability of high-entropy alloys for wear-prone surfaces

Supervisors: Enikő Réka Fábrián PhD Associate Professor, ÓE BGK
Ádám Vida PhD Bay Zoltán Applied Research Nonprofit Ltd.

Gergely Juhász

Topic: Oxidation and stability of high entropy alloys for high temperature applications

Supervisors: Enikő Réka Fábrián PhD Associate Professor, ÓE BGK
Ádám Vida PhD Bay Zoltán Applied Research Nonprofit Ltd.

Stipendium Hungaricum for scholarship training

Wasan Abdullah Alkaron (Iraq)

Topic: biopolymer-hydroxyapatite for bioapplication

Supervisors: Csaba Balázsi DSc scientific advisor, ELKH EK MFA
Katalin Balázsi PhD Senior Research Fellow, Head of Laboratory, ELKH

EK MFA

Sara Ines Moussaoui (Algeria)

Topic: toughening of high-entropy ceramics by low-dimensional nanomaterials

Supervisors: János Dusza MTA external member, prof emeritus
Péter Pinke Associate Professor, ÓE BGK



Minhalina binti Ahmad Buhairi (Malaysia)

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

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

Yodit Birhanu Bereda (Ethiopia)

Topic: hybrid polymer/ceramic filters for water purification

Supervisors: Csaba Balázsi DSc scientific advisor, ELKH EK MFA

Katalin Balázsi PhD Senior Research Fellow, Head of Laboratory, ELKH

EK MFA

Ouddoud Hanane (Morocco)

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

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

32. The Council recommends the following **PhD student to be admitted to a scholarship programme at Sályi István Sályi Doctoral School of Mechanical Engineering at the University of Miskolc:**

Fruzsina Fülöp: four semesters completed, complex exam

Topic: investigation and development of tribological behaviour of advanced multilayer superhard coatings

Thesis Supervisor: Mária Marosné Berkes PhD, ÓE BGK

33. The Council accepts the completion of the following students' "Research project" and "Research report":

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

BBERECZKI Dóra 3rd semester/Semester No. 3

KAOU, Houria Maroua 6th semester/Semester No. 6

KHAN, Kashif Ullah Semester 2/Semester No. 2

KLOKNICER Tamás 2nd Semester/Semester No. 2

KOHLHÉB Róbert 2nd semester/Semester No. 2

MARCZIS Attila 2nd semester/Semester No 2

MGHERONY, Abdul Whab Semester 8/Semester No 8

MÓNUS László József 1st semester/Semester No. 1

MOÓR Anikó 2nd semester/Semester No. 2

OLESNYOVICSNÉ SZABADI Zuzsa 2nd semester/Semester No. 2

SCHRAMKÓ Márton 3rd semester/Semester No. 3

STADLER Róbert 2nd semester/Semester No. 2

Levente SZÉLES Semester 6/Semester No. 6



VASS Viktor 1st semester/Semester No. 1
SZOMOR Zsombor 1st semester/Semester No. 1

34. The Council will not accept the following students for the "Research Report"

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

35. The Council does not accept the following students for the "Research project"

RADI, Achraf 7th semester/Semester No. 7

36. Based on the experience of the students' semesterly report, the Board invites DIT members to carry out the following tasks to support the students' study and research work:

student	Task	invited member	DIT
Taha Zoubeida	developing a proposal to facilitate the success of the research work, possibly involving a co-lead researcher	Judit Borsa	
László Mónus	develop a proposal to provide the knowledge required for the student's specific research topic	Mária Marosné Berkes, Marianna Halász	
Mrs Zuzsa Olesnyovics Szabadi	develop a proposal to provide the knowledge required for the student's specific research topic	Mihály Réger	

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

37. The Council proposes the following graduation procedures:

a) Tamás Fekete:

The title of the thesis: Advanced methodology for structural integrity analysis of large pressure vessel systems
supervisor: Zoltán Hózer DSc scientific advisor laboratory manager, ELKH EK



Workplace dispute

Location: ELKH EK

Opponents: Gábor Veres DSc scientific advisor laboratory head, ELKH EK
Péter Trampus DSc professor emeritus, DUE

Public defence

Location: ÓE BGK Népszínház utca 8.

President: Endre Ruszinkó DSc Professor, ÓE

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

Opponents: Péter Trampus DSc professor emeritus, DUE
György Gémes PhD c. Professor, BME

Committee László Tóth DSc Professor, DE

members:

Szabolcs Szávai PhD Head of Department, Bay Zoltán Applied
Research Nonprofit Ltd.

Gábor Veres DSc scientific advisor laboratory head, ELKH EK

Alternates:

President: Judit Borsa CSc professor emerita, ÓE

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

Opponents: László Tóth DSc Professor, DE

Committee Balázs Verő DSc professor emeritus, DUE

members:

János Dusza DSc external member of MTA professor emeritus, ÓE

b) János Kónya:

The title of the Development of a surface treatment technology to improve titanium alloy
thesis: implant - tissue integration by 3D printing

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

Workplace dispute

Location: ÓE BGK Népszínház utca 8.

Opponents: Péter Pinke PhD Associate Professor, ÓE BGK
Ibolya Zsoldos DSc Professor, Széchenyi István University

Public defence

Location: ÓE BGK Népszínház utca 8.



- President:* Mihály Réger DSc Professor, ÓE
Secretary: Judit Lukács PhD Assistant Professor, ÓE
Opponents: János Dusza DSc external member of MTA professor emeritus, ÓE
Ibolya Zsoldos DSc Professor, Széchenyi István University
Committee members: Csaba Balázsi DSc Scientific Advisor, ELKH EK MFA
Péter Pinke PhD Associate Professor, ÓE BGK
Mária Berkes PhD Professor, ÓE
- Alternates:*
President: Judit Borsa CSc professor emerita, ÓE
Secretary: Péter Varga PhD Assistant Professor, ÓE BGK
Opponents: Imre Czinege CsC Professor, Széchenyi István University
Committee members: Tamás Réti DSc Professor, ÓE
István Hatos PhD Assistant Professor, Széchenyi István University

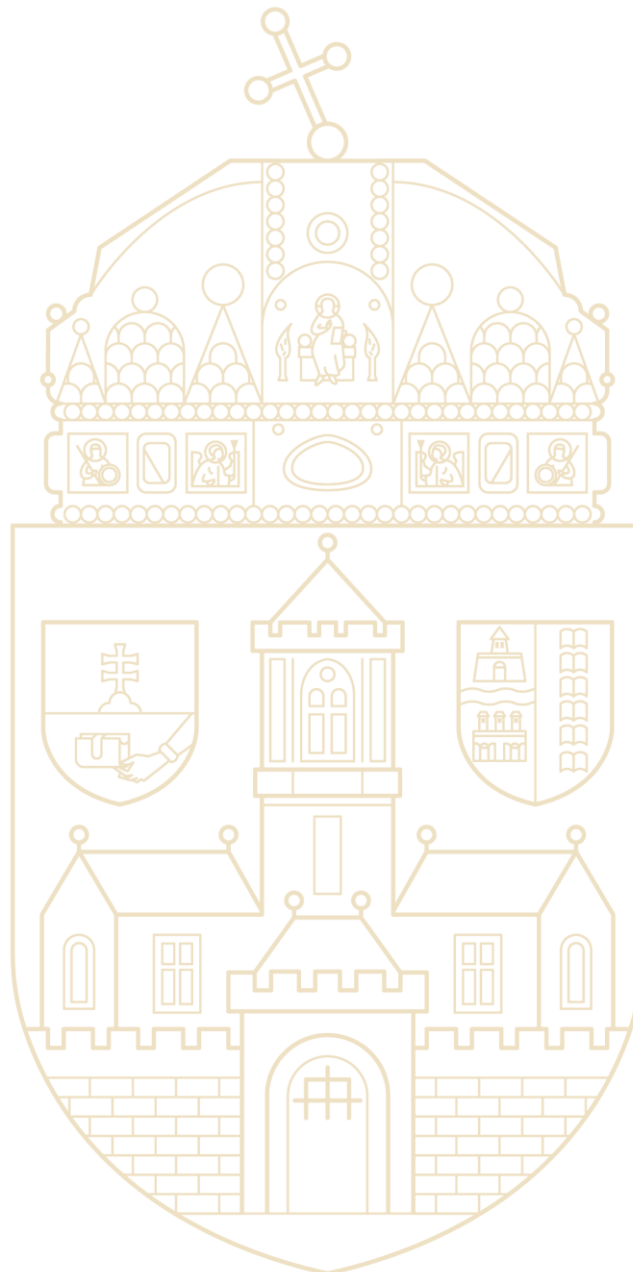
38. The Council recommends that **Nikolett Hegedűs** be awarded the degree of PhD with the distinction "**Summa cum laude**".
39. The Council approves the self-assessment report to be submitted for accreditation.
40. The Council approves the amendment of the Rules of Procedure of the Doctoral School.
41. The Council accepts (accredits) the next subject of the Doctoral School of Security Sciences with 6 credits, which was completed by Ferenc Oláh, PhD student of our doctoral school. The programme of the course can be found on the website of the Security Studies Doctoral School.
Empirical Models, Mathematical Modelling, taught by Dr. Richárd Horváth
42. The Council acknowledges the 28 hours (equivalent to 2 hours per week) of teaching activity of Anikó Moór PhD student at the Hungarian University of Fine Arts, which is worth 4 credits according to the credit regulations of the Hungarian Academy of Fine Arts. The teaching is certified by a work contract.



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Materials Sciences and
Technologies
Doctoral School

Dr. Mihály Réger
professor
President of the Council of the Doctoral School



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Bécsi u. 94-96.

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File No: ÓE-BGK ATDIT 908/2023
Done at Budapest, 28.07.2023.

Subject: award of a PhD degree

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 82.

1. The Council proposes

Bálint Varga

the award of a **PhD degree** with the distinction "cum laude".

Dr. Mihály Réger
professor
President of the Council of the Doctoral School

File No: ÓE-BGK ATDIT 1224/2023
Done at Budapest, 29.09.2023.

Subject: new lecturer, co-director, subject accreditation, acceptance of the report, extension of the deadline, change of doctoral school, tuition fee waiver, accreditation material, report for 2022/23, Bay Z. Cooperation, new subject

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 83.



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

Dr. Ferenc Ronkay

professor, lecturer at the Neumann János University.

2. The Council invites Dr. Ferenc Ronkay, professor of **TAHA Zoubeida** 3rd year PhD student, to co-chair the thesis with Ádámné Dr. Andrea Major, professor of the college.

3. The Council includes the following subjects and their credits in the training of **Szabolcs Czene**

Directed research (signature): 4x15=60 credits
Reporting day (signature): 2x6= 12 credits

4. The Council of **ZARAMI, Amal** will include in its training the following subjects:

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

5. The Council accepts the completion of the following students' "Research project" and "Research report":

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

6. The Council will extend **the deadline for the** following students **to submit their dissertations**, taking into account their life situation and health:

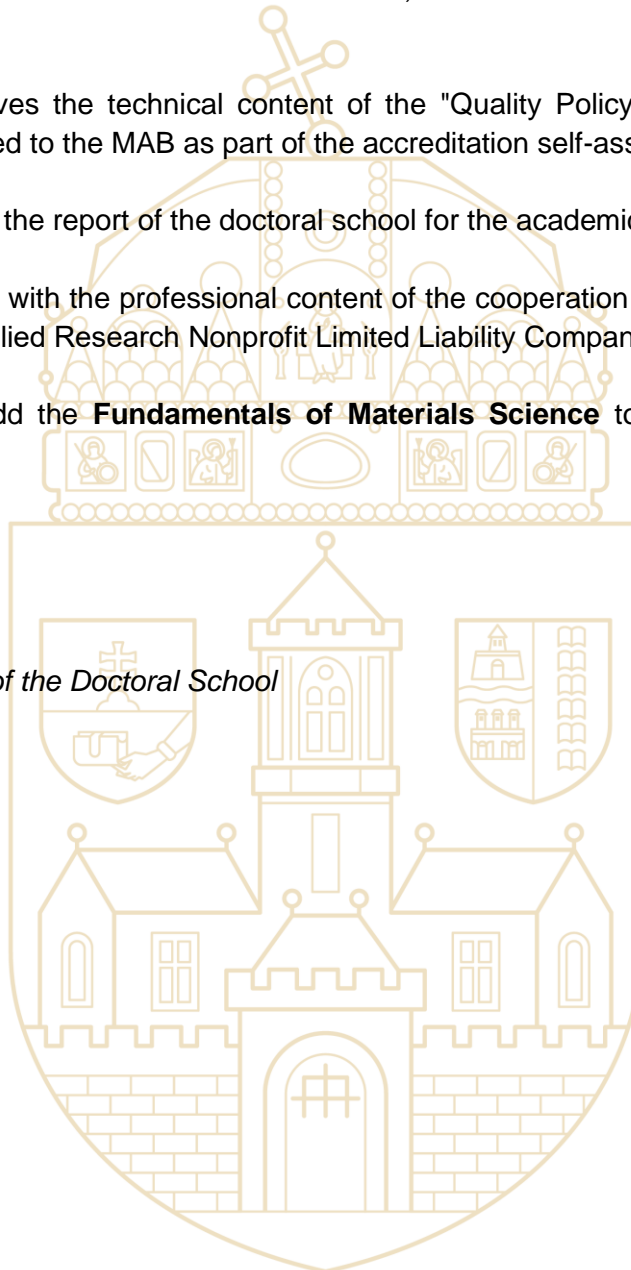
Anikó Bezsényi	2024.01.31.
Gábor Ladányi	2024.01.31.
Abdulrahman,	2024.07.05.
Attila Kenéz	2024.06.07.
Barnabás Tóth	2024.06.18.
Zoltán Farkas	2025.12.16.

7. The Council recommends that **MOHAMMED, Mudabbiruddin**, PhD student, continue his studies at the Doctoral School of Applied Informatics and Applied Mathematics, which is 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 DIT decision 81/8 (support for the study and research work of Taha Zoubeida, László Mónus and Zuzsa Olesnyovicsné Szabadi).
10. The Council approves the technical content of the "Quality Policy" and "Quality Objectives" documents submitted to the MAB as part of the accreditation self-assessment.
11. The Council adopts the report of the doctoral school for the academic year 2022/23.
12. The Council agrees with the professional content of the cooperation between Óbuda University and Bay Zoltán Applied Research Nonprofit Limited Liability Company.
13. The Council will add the **Fundamentals of Materials Science** to the Training Plan (Mária Marosné Berkes)

Dr. Mihály Réger
professor
President of the Council of the Doctoral School





File No: ÓE-BGK ATDIT 1302/2023
Done at Budapest, 13.10.2023.

Subject: approval of the Doctoral School Quality Assurance Plan

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 84.

1. The Council adopts the Quality Assurance Plan of the Doctoral Schools of Óbuda University

Dr. Mihály Réger
professor
President of the Council of the Doctoral School

Ref: ÓE-BGK ATDIT 1621/2023
Done at Budapest, 19.10.2023.

Subject: degree, recognition of credits

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 85.

1. The Council recommends that **Eliza Angeli** be awarded the degree of PhD with the distinction "**Cum laude**".
2. The Council of **ZARAMI, Amal** will include the following subjects and their credits completed in the PhD programme of the University of Miskolc:

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



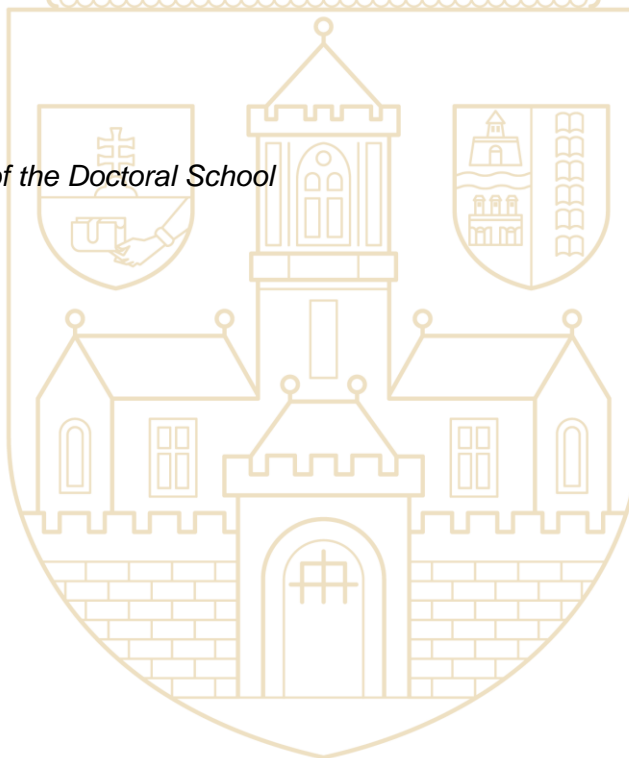
Scientific database management:

2 credits, aláírás

3. The Council will include the following subjects and their credits completed in the PhD programme of the University of Miskolc in the training of **Fruzsina Fülöp**:

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)
Material structure and materials science	5 credits, excellent (5)
Advanced surface testing	5 credits, excellent (5)
Research seminar	20 credits, signature
Education	10 credits, signature
Research and reporting	15 credits, signature
Publications (according to the OU ATDI credit rules) I-IV.	
I-IV.: $18+36+1,8+18=73,8$	74 credits Σ 159 credits

Dr. Mihály Réger
professor
President of the Council of the Doctoral School





File No: ÓE-BGK ATDIT 1622/2023

Done at Budapest, 18.12.2023.

Subject: new teachers, new member of staff, new subject, complex exam

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 86.

14. The Council shall admit him/her to the teaching staff of the Doctoral School and propose him/her to the Doctoral School as a regular member

Dr. Enikő Bitay

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

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

Dr. András Zachár

professor, lecturer at the University of Óbuda.

16. The Council adds the following subjects to the Training Plan:

- a) Advanced surface testing (Marosné Berkes Mária)
- b) Technical ceramics (Mária Marosné Berkes)
- c) Engineering polymers (Marosné Berkes Mária)
- d) Thermal and flow modelling and numerical simulation in materials technologies (András Zachár)

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

a) Dóra Bereczki



Chair of the Committee: Lászlóné Telegdi DSc prof. emer., ÓE
The committee is composed of: Erzsébet Takács DSc, HUN-REN EK EKI
Gusztáv Schay PhD, Assistant Professor, SE
Objects: Selected chapters in materials testing methods I. (Takács E., Telegdi L.)
Fluorescence spectroscopy (Gusztáv Schay)
Topic: Microfluidic systems for drug substance analysis applications
Thesis leader: senior research fellow Péter Fürjes, head of laboratory HUN-REN EK MFA

b) Róbert Farkas

Chair of the Committee: Mihály Réger DSc Professor, ÓE
The committee is composed of: Csaba Balázsi DSc, HUN-REN EK MFA
Marosné Berkes Mária PhD, Dr. habil., Professor, ÓE
Objects: Port Technology (Csaba Balázsi)
Advanced surface testing (Marosné Berkes Mária)
Topic: Changes in the material structure of nuclear power plant fuel elements under accident conditions
Thesis leader: Zoltán Hózer scientific advisor, head of laboratory HUN-REN EK AKI

- 5) The Council set the date of the semi-annual report of the students for 25 January 2024, determined the allocation of students to the conference sections and delegated a chair from among the DIT members to each section.
- 6) The Council recommends that **Ali Hameed Alhilfi** be awarded the degree of PhD with the distinction "**Cum laude**".

Dr. Mihály Réger
professor
President of the Council of the Doctoral School



File No: ÓE BGK ATDI 203/2024

Dated: Budapest, 2024. 02.01.

Subject: new subjects, admission, grades, new co-subject leader, subject completion

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 87.

40. The Council will add the following topics to the training plan

- a) Complex machinability test different 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 advanced tooling materials
(Balázs Mikó PhD habil. assistant professor, ÓE BGK)

41. The Council recommends **the admission of the** following candidates to **the PhD programme on** the basis of the attached list of candidates:

Inger Ádám 2nd semester from transfer to full-time scholarship course
Topic: laser scattering threshold testing of innovative optical elements
Thesis Supervisors: Péter Dombi DSc, Wigner Research Centre for Physics
Péter Rácz PhD, Wigner Research Centre for Physics

Béla Mészáros Correspondent scholarship holder, later full-time scholarship holder
Topic: complex machinability studies for different hard-to-machine alloys
Thesis Supervisor: Enikő Réka Fábián PhD Associate Professor, ÓE BGK
Balázs Mikó PhD habil. associate professor, ÓE BGK

Viktor Rácz full-time scholarship holder
Topic: Investigation of geometric tolerances and manufacturing capabilities in advanced tool materials



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

42. The Council recommends the award of the PhD degree to **János Kónya** with the distinction "**Summa cum laude**".
43. The Council invites **Dr. Ferenc Ronkay, professor of the University of Budapest**, to co-chair the PhD student **KHAN Kashif Ullah** 2nd year with Ádámné Dr. Andrea Major, professor of the University of Budapest.
44. The Council accepts the completion of the following students' "**Research project**" and "**Research report**":

Daytime training	Correspondence course
Ferenc Oláh	Tamás Kloknicer
Tamás Zeffer	Sándor Takács
Nató Lilia	Zsuzsa Szabadi Olesnyovics
Dóra Bereczki	Ádám Inger
Levente Széles	Ferenc Hareancz
Attila Marczis	Gergely Juhász
Róbert Gábor Stadler	Mukerjee Deshabrato
Lajos Norbert Berecz	
Róbert Kohlhéb	Stipendium Hungaricum scholarship
Aniko Moór	Kaou Maroua Houria
László József Mónus	Shbanah Mariam
Viktor Vass	Ismaeel Noor Taha
Zsombor Szomor	Taha Zoubaida
Szabolcs Czene	Zereay Nugusse Berhane
János Kuti	Khan Kashif Ullah
János Mark Bozorádi	Alkaron Wasan Abdullah Fadhi
Béla Bödi	Ahmad Buhairi Minhalina Binti
Attila Széll	Moussaoui Sara Ines
Fruzsina Fülöp	

6. The Council does not accept the following students for the "**Research project**" and "**Research report**":

Radi Achraf
Zarrami Amal

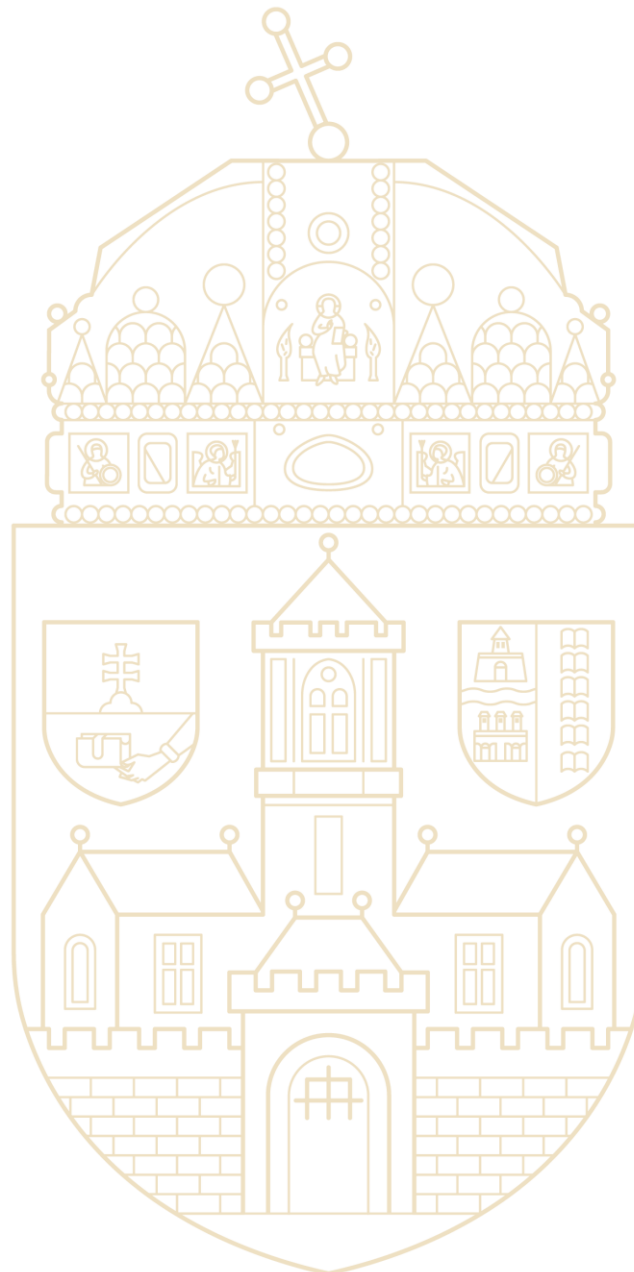
Dr. Mihály Réger
professor



ÓBUDAI EGYETEM
ÓBUDA UNIVERSITY

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File No: ÓE BGK ATDI 276/2024

Dated: Budapest, 2024. 02.12.

Subject: new co-director, dismissal of students

THE COUNCIL OF THE DOCTORAL SCHOOL

88. decision

1. The Council invites **Dr. Tünde Kovács** Associate Professor Mariam Shbanah 3rd year PhD student to co-chair the thesis with Mihály Réger Professor.
2. The Council dismisses the Stipendium Hungaricum student **Achraf Radi**, who had 140 credits at the end of his 8 semesters of studies.
3. The Council dismisses **Amal Zarrami**, a Stipendium Hungaricum scholarship student, who has not obtained any credits in the first semester of the academic year 2023/24.

Dr. Mihály Réger
professor
President of the Council of the Doctoral School



File No: ÓE BGK ATDI 777/2024

Dated: Budapest, 2024. 03.22.

Subject: defence committees, new subject, co-subject leader, subject accreditation, dissertation deadline, dismissal, student representative

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 89.

1. The Council proposes the public PhD thesis of **Anita Bányai** as follows:

The title of the thesis: Investigation and application of particle and cell separation methods in microfluidic systems

Thesis supervisor: Péter Fűrjes PhD senior research fellow, Hun-Ren EK MFA

Industrial consultant: Varga Máté 77 Elektronika Kft

Workplace dispute

Location: Hun-Ren EC

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

Public defence

Location: ÓE BGK Council Chamber (1081 Bp., Népszínház utca 8.)

President: Zsolt József Horváth DSc prof. emeritus, ÓE

Reserve chairman, member: Lászlóné Telegdi DSc prof emerita, ÓE

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

Reserve opp., 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 University of Applied Sciences

2. The Council proposes the public PhD thesis of **Anikó Bezsényi** as follows:

Title of the thesis: Increasing the efficiency of wastewater treatment by cometabolism and high-efficiency oxidation (high-energy ionizing radiation)

Supervisor: Erzsébet Takács, Professor, ÓE, Senior Scientific Advisor, Hun-Ren EK EKBI



Workplace dispute

Location: Hun-Ren EC

Opponents: assistant professor Vince Bakos PhD, BME Alk. Biotechn. and Food Science.
Department of Food and Biotechnology

Róbert Schiller DSc prof. emeritus, HUN-REN Energy Science Research Centre

Public defence

Location: ÓE BGK Council Chamber (1081 Bp., Népszínház utca 8.)

President: Lászlóné Telegdi DSc prof. emerita, ÓE

Reserve chairman, member: Judit Borsa CSc prof emerita, ÓE

Opponents: Schiller Róbert DSc prof. emeritus, HUN-REN EK

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

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

Secretary: Rita Bodáné Kendrovics PhD Associate Professor, ÓE

Tag: Vince Bakos PhD Assistant Professor, BME Alk. Biotechn. and Food Science. Ph.

Reserve Secretary: Péter Varga PhD Assistant Professor, ÓE

Reserve member: Krisztina Demény PhD, Assistant Professor, ÓE

3. The Council proposes the public PhD thesis of **Attila Kenéz** as follows:

The title of the thesis: The applicability of bonding technologies for fixing segments of drill bits

Thesis Supervisor: Gyula Bagyinszki PhD Associate Professor, ÓE BGK

Workplace dispute

Location: ÓE BGK

Opponents: Péter Pinke PhD Associate Professor, ÓE

Imre Czinege CSc prof. emeritus, SZE

Public defence

Location: ÓE BGK Council Chamber (1081 Bp., Népszínház utca 8.)

President: Mihály Réger DSc Professor, ÓE

Reserve chairman: Judit Borsa CSc prof emerita, ÓE

Opponents: Marcell Gáspár PhD Associate Professor, ME

Imre Czinege CSc prof. emeritus, SZE

Spare opp.: Hajnalka Hargitai PhD, SZE

Secretary: Péter Varga PhD Assistant Professor, ÓE

Tag: László Gyura PhD Linde Gáz Magyarország Zrt. welding technology manager, 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 Professor, ÓE

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

The title of the thesis: Optimization of ball-end milling tool path in case of free form milling

Thesis Supervisor: Balázs Mikó PhD habilitated Associate Professor, ÓE BGK

Workplace dispute

Location: ÓE BGK

Opponents: Csaba Felhő PhD, Associate Professor, ME
Ferenc Gábor Erdős PhD, Associate Professor, BME, SZTAKI

Public defence

Place: ÓE BGK Council Chamber (1081 Bp., Népszínház utca 8.) and online (BBB) ?

President: Endre Ruszinkó DSc Professor, ÓE

Reserve chairman: Mihály Réger DSc Professor, ÓE

Opponents: Ildiko Mankova DSc Professor, Technical University of Košice
Ferenc Gábor Erdős PhD Associate Professor, BME, SZTAKI

Spare opp.: 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: István Gyurika PhD Associate Professor, PE

5. The Council will prepare the Training Plan with the following topic:

Expanding precision casting technology by introducing new materials and new processes (Enikő Bitay)

6. The Council invites **Zoltan Lábadi**, Senior Research Fellow of the HUN-REN EK MFA, to take over the supervision of the 6th semester PhD student **Ismaeel Noor Taha from Miklós Fried**, Research Advisor of the HUN-REN EK MFA. The transfer will take place on the unanimous recommendation of the former and the future topic leader.

7. The Council accepts **the credits of the** 2nd semester full-time PhD student **Ádám Inger** for his correspondence course:

Fundamentals of materials science 6 credits
Design and evaluation of experiments 6 credits
Research project 10 credits



Research report

6 credits

8. The Council will extend **the deadline for the** following students **to submit their dissertations**, taking into account their life situation and health:

Gábor Ladányi

2024. 09. 30.

Vargas Cruz Ramiro

2024. 12. 31

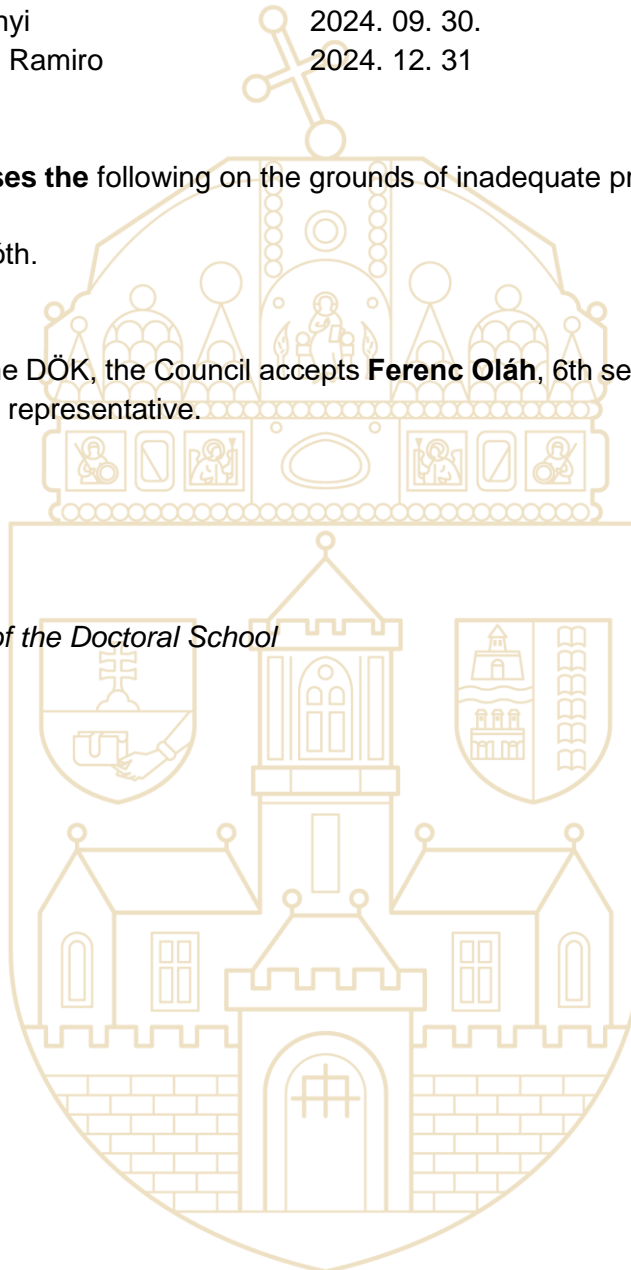
9. The Council **dismisses the** following on the grounds of inadequate progress of his doctoral work

Barnabás Tóth.

10. On the proposal of the DÖK, the Council accepts **Ferenc Oláh**, 6th semester doctoral student, as a permanent student representative.

Dr. Mihály Réger
professor

President of the Council of the Doctoral School





File No: ÓE BGK ATDI 1257/2024

Dated: Budapest, 2024. 05. 13.

Subject: new teacher, new subjects, recruitment of SH candidates, complex exams, dismissal

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 90.

1. The Council admits **Dr. Attila Bata**, Assistant Professor, Associate Professor at Neumann János University, to the Doctoral School.
2. The Council **will complete the Training Plan** with the following topics:
 - a) Combinatorial preparation and characterization methods for high through-put study of advanced functional materials (Fried Miklós)
 - b) Testing and inspection of casings for accident resistant fuel for nuclear power plants
Testing and examination of cladding designs for accident tolerant fuel of nuclear power plants (Hózer Zoltán)
 - c) Surface roughness testing for different machining processes
Investigation of the surface roughness in the case of different cutting processes (Mikó Balázs)
 - d) Scanning probe analysis of layered van der Waals materials and their heterostructures
Investigating the properties layered van der Waals electron systems and their heterostructures by scanning probe methods (Nemes-Incze Péter)
 - e) Optimisation of the operation of unconventional solar cells with respect to different physical parameters
Optimizing the operation of non-conventional solar cells with respect to various physical parameters (Rácz Ervin)
 - f) Development of a hydrogen tank polymer liner material with regard to production technology aspects (Ferenc Ronkay, Attila Bata)
 - g) Development of plastic materials suitable for hydrogen storage for type 4 and type 5 tanks (Ferenc Ronkay, Attila Bata)



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

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

3. The Council **proposes to** award the **Stipendium Hungaricum** scholarship to:

Adelino João Ganga João Ganga Ngunza/Angola (Rácz Ervin)	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. The Council **does not propose to** award the **Stipendium Hungaricum** to the following applicants, due to their professional interests being different from the profile of the Doctoral School:

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

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

a) KHAN Kashif Ullah

President: Judit Borsa CSc professor emerita, ÓE
Tag: Károly Belina Professor Emeritus, Neumann János University
Eszter Kókai PhD research fellow, Széchenyi University

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

Topic: Preparation and investigation of polymer matrix nanocomposites
supervisors: Andrea Ádámné Major PhD, Professor, Neumann János University
Ferenc Ronkay DSc Professor, Neumann János University

b) Tamás Kloknicer

President: Lászlóné Telegdi DSc professor emerita, ÓE
Tag: 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
Objects: Hydrological basics (Bardóczyné Székely Emőke)
Hydrobiology (Katalin Keresztessy)



Topic: Intensification of small wastewater treatment plants using coating microorganisms attached to substrates and automated control techniques based on mathematical relationships
supervisors: Rita Bodáné Kendrovics PhD Associate Professor, ÓE
Anita Szabó PhD CEO, Inno-Water Zrt.

c) Róbert Kohlhéb

President: Mária Marosné Berkes PhD, Professor, ÓE
Tag: Tamás Réti DSc professor emeritus, ÓE
Hajnalka Hargitai PhD Professor, SZE
Objects: Modelling of 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 Professor, ÓE

d) Attila Marczis

President: Lászlóné Telegdi DSc professor emerita, ÓE
Tag: Erzsébet Takács DSc professor emerita, HUN-REN EK
Balázs Mikó PhD habilitated Associate Professor, ÓE
Objects: Selected chapters from the methods of materials testing I. (Erzsébet Takács, Lászlóné Telegdi)
The impact of Industry 4.0 on manufacturing technology (Balázs Mikó)
Topic: Industrial CT-based optimisation of an additive manufacturing process
supervisor: Ágota Horváthné Drégelyi Kiss PhD habilitated Associate Professor, ÓE

e) Aniko Moór

President: Judit Borsa CSc professor emerita, ÓE
Tag: Mária Marosné Berkes PhD, Professor, ÓE
András Víg CSc Lecturer, BME
Objects: Protein-based card systems (Judit Borsa)
Advanced surface testing (Marosné Berkes Mária)
Topic: Study of the early fabric collection of the Museum of Applied Arts
supervisor: Tóth Tünde senior research fellow HUN-REN EK, habilitated associate professor BME



f) Márton Schramkó

President: Mihály Réger DSc Professor, ÓE
Tag: Gyula Bagyinszki PhD Associate Professor, ÓE
László Kuzsella PhD Associate Professor, ME

Objects: Welding technologies I: Bulk welding (Gyula Bagyinszki)
Model tests of technical systems (Mihály Réger)

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

supervisors: Anna Tünde Kovács PhD habilitated associate professor
Péter Pinke PhD Associate Professor

g) Róbert Stadler

President: Mária Marosné Berkes PhD, Professor, ÓE
Tag: Tünde Kovács PhD habilitated Associate Professor, ÓE
Gábor Szebényi PhD Associate Professor, BME

Objects: Structural materials damage analysis (Kovács Tünde)
Engineering polymers (Marosné Berkes Mária)

Topic: Development of friction stir welding technology
supervisor: Richárd Horváth PhD Associate Professor, ÓE

- The Council **dismisses Sándor Takács** from the course - due to non-compliance with his academic obligations - and releases him from the obligation to pay tuition fees for the semester 2023/24/2.
- The Council **dismisses** the doctoral student **Minhalina binti Ahmad Buhairi** Stipendium Hungaricum Stipendium **Buhairi** from the course, at her own request, due to her intention to leave for another educational institution.

Dr. Mihály Réger
professor
President of the Council of the Doctoral School



File No: ÓE BGK ATDI 1563/2024

Dated: Budapest, 2024. 06. 10.

Subject: admission

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 91.

45. The Council recommends **the admission of the** following candidates to **the PhD programme on** the basis of the attached list of candidates:

- a.) Krisztián Máriy full-time scholarship holder
Topic: scanning probe analysis 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: surface roughness effects on the metrological characteristics of CT measurements
Thesis Supervisor: Ágota Dr. Drégelyi-Kiss PhD, Associate Professor, ÓE BGK
- c.) György Káli individual coach
Theme: further development of a non-destructive neutron diffraction test method for the determination and refinement of spatial and directional characteristics of archaeological and other museum artefacts based on time-of-flight measurements
Supervisor: Zsolt Kasztovszky PhD, senior research fellow, HUN-REN EK EKBI
- d.) Pál Hansághy full-time scholarship holder
Topic: development of hydrogen storage plastics for type 4 and type 5 tanks
Thesis Supervisor: Dr. Ferenc Ronkay DSc, Professor, Neumann János University
Dr. Attila Bata PhD, Head of Department, Neumann János University
- e.) Károly-István Gál full-time scholarship holder
Topic: production technology and wear testing of cosine hairpins
Thesis Supervisor: Dr. Richárd Horváth PhD, Associate Professor, ÓE BGK

Dr. Mihály Réger
professor
President of the Council of the Doctoral School



File No: ÓE BGK ATDI 1743/2024

Dated: Budapest, 2024. 07.04.

Subject: subject acceptance, new instructor, new subjects, subject accreditation, abszutórium

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 92.

46. The Council accepts the completion of the following students' **"Research project"** and **"Research report"**:

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



47. The Council admits **Dr. Zsolt Kasztovszky**, Senior Research Fellow of the HUN-REN Research Centre for Energy Sciences, to the Doctoral School

48. The Council will add the following topics to the Training Plan:

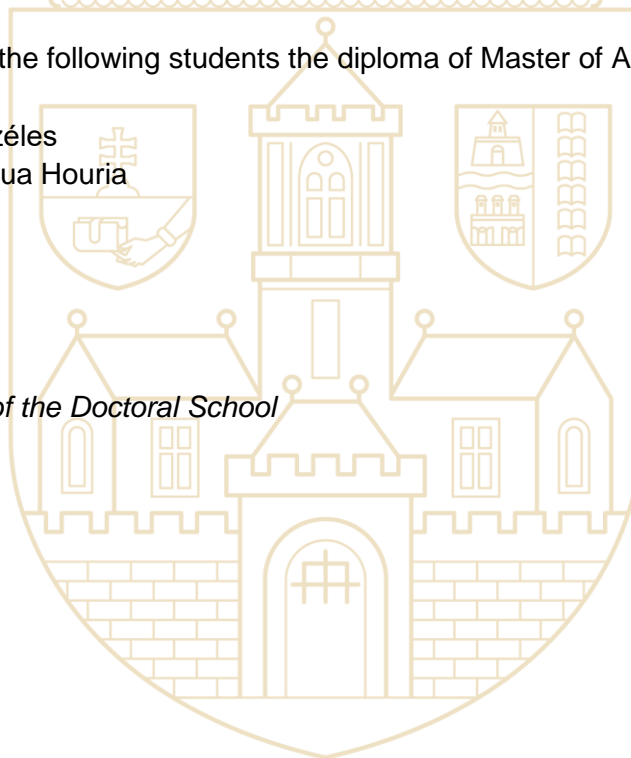
- a) Effect of surface roughness on the metrological characteristics of CT measurements (Ágota Horváthné Drégelyi-Kiss)
- b) Manufacturing technology and wear testing of a pair of cosine hairpins (Richárd Horváth)
- c) Further development of a non-destructive, time-of-flight neutron diffraction analysis method for the determination and refinement of spatial and directional characteristics of archaeological and other museum light objects (Zsolt Kasztovszky PhD, Senior Research Fellow, HUN-REN EK EKBI)

49. The Council admits **Anikó Moór's** 4th semester doctoral course "**Textiltervezés 2**", which she completed with **distinction** at the Metropolitan University, to her doctoral studies.

50. The Council awards the following students the diploma of Master of Arts

Levente Széles
Kaou Maroua Houria

Dr. Mihály Réger
professor
President of the Council of the Doctoral School





File No: ÓE BGK ATDI 2012/2024

Dated: Budapest, 2024.09.02.

Subject: admission

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 93.

51. On the basis of the attached minutes of the Admissions Committee, the Council does not recommend **the admission of** the following candidate to a **PhD course**:

- f.) Miklós Barabássy individual coach
Theme: the Holy Crown through the eyes of an engineer
Thesis leader: -

Dr. Mihály Réger
professor
President of the Council of the Doctoral School

File No: ÓE BGK ATDI 2140/2024

Done at Budapest, 10.09.2024.

Subject: new teacher, new subjects, new topics, withdrawal of dismissal

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 94.

1. The Council admits **Dr. Éva Széles**, Senior Research Fellow at the HUN_REN Research Centre for Energy Sciences, to the Doctoral School.
2. The Council **adds** the following subjects to **the Training Plan**:
 - a) Finite element analysis of composite structures (András Zachár)
 - b) Life Cycle Analysis (supervisor: Ákos Nemcsics, lecturer: György Gröller)
 - c) Environmental product declaration (responsible: Ákos Nemcsics, lecturer: György Gröller)



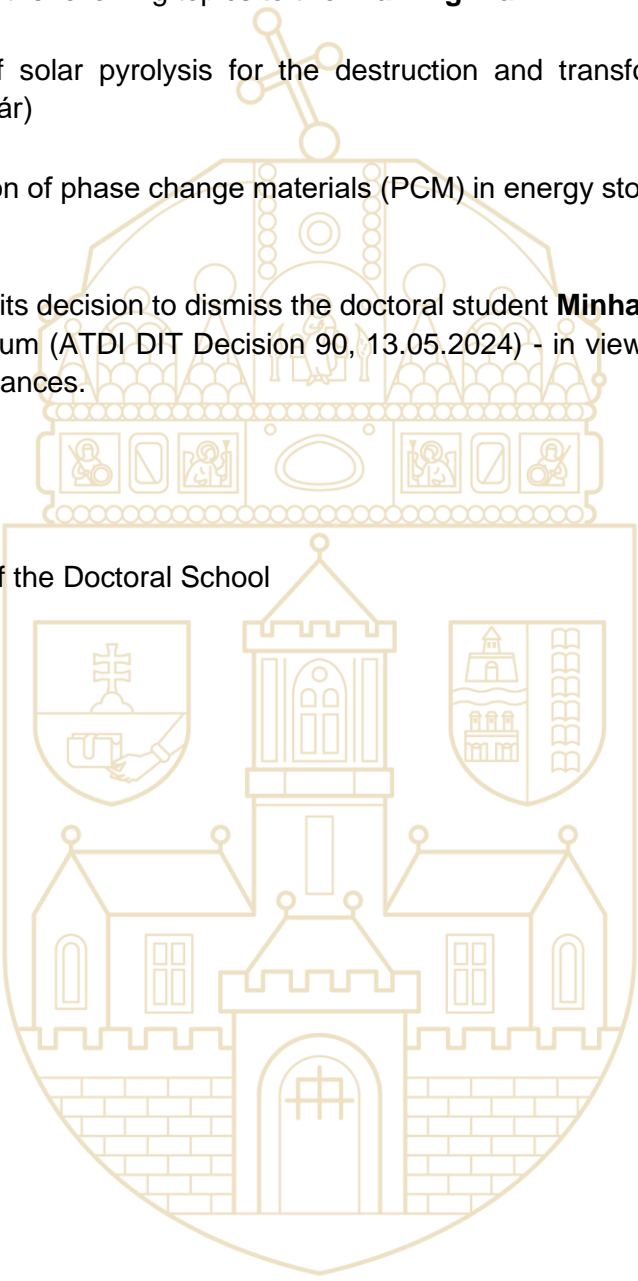
d) Application of inductively coupled plasma mass spectrometry in analytical chemistry (Éva Széles)

3. The Council **will add** the following topics to **the Training Plan**:

- a) Application of solar pyrolysis for the destruction and transformation of plastic waste (András Zachár)
- b) The application of phase change materials (PCM) in energy storage (András Zachár)

4. The Council revokes its decision to dismiss the doctoral student **Minhalina binti Ahmad Buhairi** Stipendium Hungaricum (ATDI DIT Decision 90, 13.05.2024) - in view of the student's changed professional circumstances.

Dr. Mihály Réger
professor
President of the Council of the Doctoral School





File No: ÓE BGK ATDI 2630/2024

Done at Budapest, 28.10.2024.

Subject: PhD degree, habilitation, new lecturer, change of subject leader

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 95.

1. The Council proposes to the University Doctoral and Habilitation Council the award of the PhD degree

Bezsényi Anikó with the distinction "**Summa cum laude**".

2. The Council proposes to proceed with the habilitation procedure for **Ferenc Safranyik** as follows:

Habitus Examination Committee:

President: Mihály Réger DSc, Professor, ÓE
Tags: Ibolya Zsoldos DSc, Professor, SZE
András Zachár PhD, Professor, ÓE

Professional Selection Committee:

President: Mihály Réger DSc, Professor, ÓE
Tags: Ibolya Zsoldos DSc, Professor, SZE
András Zachár PhD, Professor, ÓE
László Kollár PhD, Professor, ELTE
Gábor L. Szepesi PhD, Professor, ME
Ferenc Szlivka PhD, Professor, ÓE

Spare:

Gusztáv Fekete PhD, senior research fellow, SZE
Imre Felde PhD, Professor, ÓE
Viktor Gonda PhD, Associate Professor, ÓE

3. The Council admits **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 wish of the current and the proposed supervisor, the Council authorises the first-year Stipendium Hungaricum scholarship holder **Seif Eddine HABBACHI** to replace Zoltán Hózer as the research advisor and to replace **Márton Király** as the research fellow.
5. The Council adopts the DI report and action plan for the academic year 2023-24.

Dr. Mihály Réger
professor
President of the Council of the Doctoral School





File No: ÓE BGK ATDI 2932/2024

Dated: Budapest, 2024. 12. 04.

Subject: new teacher, new subject, change of subject leader, complex exam

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 96.

8. The Council proposes that the Doctoral School **lecturer**

Mátyás Dabóczi senior research fellow,

researcher at the HUN-REN Energy Research Institute.

9. The Council will complete the Training Plan with the following topics:

- a) Investigation and development of perovskite photoelectrodes for solar energy utilization (Dabóczi Mátyás)
- b) Possibilities of simultaneous heat treatment of maraging steels (Mihály Réger, Richárd Horváth)

10. The Council - based on the unanimous wish of the current supervisor and the proposed supervisors - authorises the research work of the 4th semester student **Zsuzsa Olesnyovicsné Szabadi** to be supervised by Professor Mihály Réger (ÓE) and Associate Professor Richárd Horváth (ÓE) instead of Associate Professor Judit Pázmán (DUE) .

At the same time, the research topic changes:

Possibilities for simultaneous heat treatment of maraging steels

11. The Council proposes the following **for the complex examinations** for the 2024/25/1 semester:

h) György Káli

President: Lászlóné Telegdi DSc prof. emerita, ÓE
Tag: Zoltán Hózer DSc scientific advisor, HUN-REN EK AEKI
Erzsébet Takács DSc prof. emerita, HUN-REN EK EKBI



Subjects: nuclear power plant materials (Zoltán Hózer)
Selected chapters from the methods of materials testing (Judit Telegdi,
Erzsébet Takács)

Topic: Improvement of a non-destructive neutron diffraction testing method for the
determination and refinement of spatial and directional characteristics of
archaeological and other museum metal objects based on time-of-flight
measurements

supervisor: Zsolt Kasztovszky PhD Senior Research Fellow, HUN-REN EK AEKI

i) László József Mónus

President: Anna Kovács Tünde PhD, Professor, ÓE
Tag: András Zachár PhD Professor, ÓE
László Kuzsella PhD Associate Professor, ME
János Dusza DSc Professor, ÓE

Subjects: Fracture mechanics (Kovács Tünde Anna)
Finite element analysis of composite structures (András Zachár)

Topic: development of new joints in bow structures, material development, fibre
reinforcement, surface treatment and weight reduction with modern
materials and composites

Thesis Supervisor: Enikő Réka Fábián PhD Associate Professor, ÓE

j) Zsuzsa Szabadi Olesnyovics

President: Judit Telegdi DSc prof. emerita, ÓE
Tag: Erzsébet Takács DSc prof. emerita, HUN-REN EKBI
Marosné Berkes Mária PhD, Professor, ÓE

Subjects: selected chapters from the methods of materials testing (Judit Telegdi, Erzsébet
Takács)
Fundamentals of Materials Science (Mária Marosné Berkes)

Topic: Possibilities for simultaneous heat treatment of maraging steels

Supervisor: Mihály Réger, Professor (ÓE), Richárd Horváth, Associate Professor (ÓE)

k) Zsombor Szomor



President: Zsolt József Horváth DSc prof emeritus, ÓE
Tag: Erzsébet Takács DSc prof. emerita, HUN-REN EKBI
Katalin Balázsi PhD Laboratory Manager, HUN-REN EK MFA
Judit Telegdi DSc prof. emerita, ÓE

Subjects: selected chapters from the methods of materials testing (Judit Telegdi, Erzsébet Takács)
Structural analysis of various materials by transmission electron microscopy (Katalin Balázsi)
Semiconductor technologies (Zsolt József Horváth)
Topic: Two-phase microfluidic systems for bioanalytical applications
Thesis Supervisor: Péter Fűrjes PhD, Senior Research Associate, Head of Laboratory

I) Viktor Vass

President: Zsolt József Horváth DSc prof. emeritus ÓE
Tag: Nemcsics Ákos DSc Professor, ÓE
Éva Széles PhD Senior Research Fellow, HUN-REN AEKI

Subjects: Life cycle analysis (Nemcsics Ákos)
Application of inductively coupled plasma mass spectrometry in analytical chemistry (Éva Széles)

Topic: Life cycle analysis: processes related to electric car battery production

Thesis supervisor: Györök György PhD professor ÓE

Dr. Mihály Réger
professor
President of the Council of the Doctoral School



File No: ÓE BGK ATDI 110/2025

Dated: Budapest, 2025.01.23

Subject: new lecturer, new subject, committee, dismissal, admission, award of degree, emeritus member of staff

THE COUNCIL OF THE DOCTORAL SCHOOL

Decision 97.

12. The Council proposes that the Doctoral School **lecturer**

Zsolt Ferenc Kovács Associate Professor,

lecturer at the Neumann János University.

13. The Council will prepare the Training Plan with the following topic:

- a) Investigation of the production technology of powder-based alloys (Zsolt Ferenc Kovács)
- b) Environmental impacts of the electronics industry (Nemcsics Ákos)

14. The Council proposes the public PhD thesis of **József Nádas** as follows:

The title of the thesis: Band broadening of LEDs in near-infrared spectroscopy and lighting applications

Thesis Supervisor: Vilmos Rakovics CSC senior research fellow, HUN-REN EK MFA

Workplace dispute

Location: OE KVK

Opponents: Zsolt József Horváth DSc prof emeritus, ÓE
Zoltán Lábadi PhD. senior research fellow, HUN-REN EK MFA

Public defence

Location: ÓE BGK J200 room (1081 Bp., József krt. 6.)
President: György Molnár PhD Professor, ÓE KVK TMPK
Opponents: Zoltán Lábadi PhD senior research fellow, HUN-REN EK MFA
Opponents: Veronika Szűcs PhD Associate Professor, PE MIK VIRT
Secretary: Viktor Gonda PhD habil. assistant professor, ÓE BGK
Tag: István Nagy PhD Associate Professor, ÓE BGK
Tag: Zoltán Szabó PhD research fellow, HUN-REN EK MFA
Tag: Gábor Harsányi DSc Professor, BME



Reserve

President
Secretary
opponent

Mihály Réger DSc Professor, ÓE BGK
István Nagy PhD Associate Professor, ÓE BGK
Sándor Pekker DSc Senior Scientific Advisor, HUN-REN Wigner Fiz. Kut.

Közp.
tag

Mihály Réger DSc Professor, ÓE BGK

15. The Council proposes the public PhD thesis of **Levente Széles** as follows:

The title of the thesis: Analysis of the effects of geometric changes for improving the properties of auxetic lattice structures

Thesis Supervisor: Richárd Horváth PhD Associate Professor, ÓE BGK

Workplace dispute

Location: ÓE BGK

Opponents: Mária Marosné Berkes PhD, Professor, ÓE
Hajnalka Hargitai PhD Professor, SZE

Public defence

Location: ÓE BGK J200 room (1081 Bp., József krt. 6.)
President: Endre Ruzsinkó DSc Professor, OE BGK
Opponent: Hajnalka Hargitai PhD Professor, SZE
Opponent: Péter Pinke PhD Associate Professor, OE BGK
Secretary: Tünde Kovács PhD Associate Professor, ÓE BGK
Tag: Ibolya Zsoldos DSc Professor, SZE
Tag: Viktor Gonda PhD habil. assistant professor, ÓE
Tag: Gábor Szabó PhD Associate Professor, BME

Reserve

President
Secretary
opponent
tag

Ákos Nemcsics DSc, Professor, ÓE KVK
Péter Varga PhD Assistant Professor, ÓE-BGK
Péter Barkóczy PhD Professor, ME-AVK
Márton Takács PhD Associate Professor, BME
Péter Varga PhD Assistant Professor, ÓE-BGK

16. The Council proposes the public PhD thesis of **Vargas Cruz Ramiro Sebastian** as follows:

Thesis title: Modeling lead-free interconnect reliability under creep in advanced packaging



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

Workplace dispute

Location: ÓE BGK

Opponents: Márton Király, PhD, HUN-REN EK
Péter Varga, PhD, Assistant Professor, ÓE-BGK

Public defence

Location: ÓE BGK Council Chamber (1081 Bp., József krt. 6.)
President: Mihály Réger DSc, Professor, ÓE BGK
Opponents: Márton Király, PhD, HUN-REN EK
Opponents: Endre Ruzinkó, DSc, Professor, ÓE-BGK
Secretary: Judit Lukács, PhD, Assistant Professor, ÓE-BGK
Tag: Gábor Harsányi, DSc, Professor, BME-VIK
Tag: Tamás Gyenes, PhD, Academic Relations, Robert Bosch Kft.
Tag: Zoltán Hózer, DSc, scientific advisor, HUN-REN EK

Reserve

President: Ákos Nemcsics DSc, Professor, ÓE KVK
opponent: Péter Barkóczy, PhD, Professor, ME-AVK
Secretary: Péter Pinke PhD, Associate Professor, ÓE BGK
tag: Péter Pinke PhD, Associate Professor, ÓE BGK
Péter Varga, PhD, Assistant Professor, ÓE-BGK

17. The Council **dismisses** the students **Gábor Ladányi** and **Tibor Czene** for failure to meet their academic obligations.

18. The Council, on the basis of the attached minutes of the Admissions Committee, recommends **the admission of the** following candidates to **the PhD programme:**

g.) Péter Gerse full-time scholarship holder

Topic: Development of a hydrogen tank polymer liner material with regard to production technology aspects

supervisors: Attila Bata PhD Associate Professor,
Ferenc Ronkay DSc Professor,

h.) Emese Kozák full-time scholarship holder

Topic: Investigation of the production technology of powder-based alloys

supervisor: Zsolt Ferenc Kovács PhD Associate Professor, NJE

i.) Liza Lutter full-time scholarship holder

Topic: Investigation and development of perovskite photoelectrodes for solar energy



Supervisor: Mátyás Dabóczi PhD senior research fellow, HUN-REN EK

19. The Council accepts the completion of the following students' "**Research project**" and "**Research report**":

Daytime training	
Lília Bató	Áron Lóránd
Dóra Bereczki	Attila Marczis
János Mark Bozorádi	Krisztián Máriy
Béla Bódi	Béla Mészáros
Szabolcs Czene	Aniko Moór
Fruzsina Fülöp	Ferenc Oláh
István Károly Gál	Viktor Rácz
Pál Hansággy	Márton Schramkó
Ádám Inger	Róbert Stadler
Khan Kashif Ullah	Attila Széll
Róbert Kohlhéb	Tamás Zeffer
János Kuti	
Correspondence course	
Ferenc Hareancz	Tamás Kloknicer
Gergely Juhász	
Stipendium Hungaricum scholarship holders	
Chaou Zeng	Sara Ines Moussaoui
Habbachi Seif Eddine	Shbanah Mariam
Ismaeel Noor Taha	Taha Zoubeida
Minhalina Bintí Ahmad Buhairi	Wasan Abdullah Alkaron
Mukherjee Deshabrato	Zereay Nugusse Berhane
Nuriddinov Suratjon	

20. The Council proposes to the University Doctoral and Habilitation Council the award of the PhD degree

"Summa cum laude" for Anita Bányai

21. The Council recommends that **Marianna Halász** should become a member emeritus of the Doctoral Council after her retirement in January 2025.

22. The Board supports the student **Lajos Norbert Berecz** (after 3 valid and 2 passive semesters) to be in passive status for the 2nd semester of the academic year 2024-25 due to his hospitalisation and his health condition.

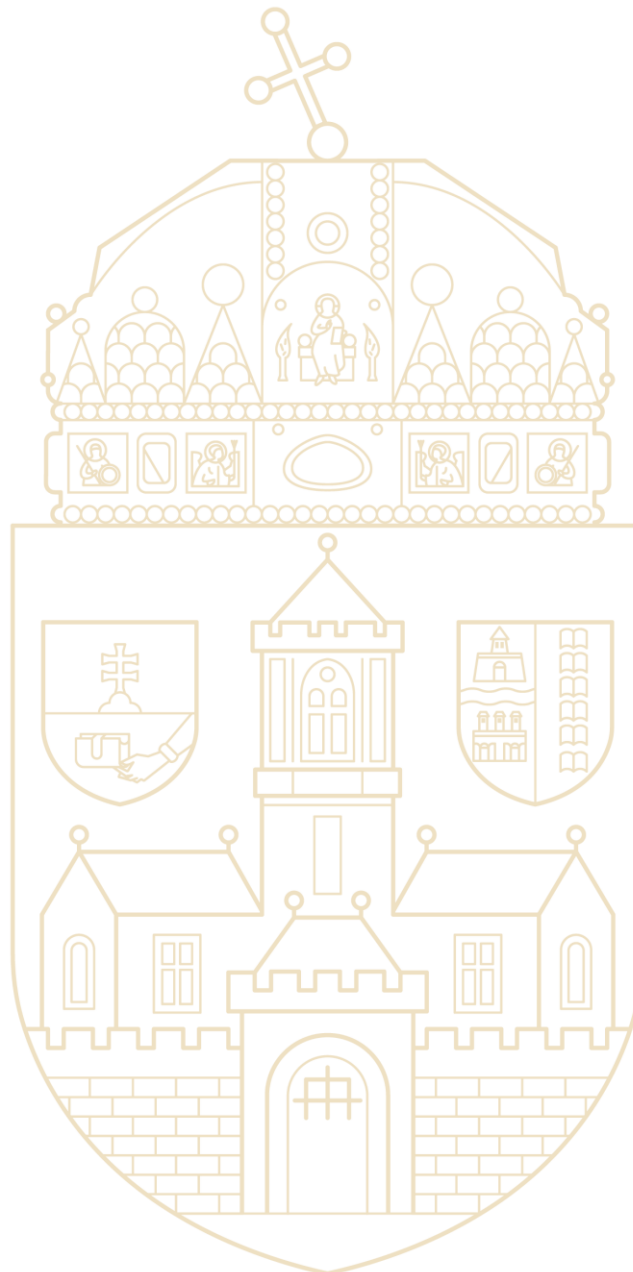
Dr. Mihály Réger



ÓBUDAI EGYETEM
ÓBUDA UNIVERSITY

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Doctoral School

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President of the Council of the Doctoral School



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