



Decisions of the Council of the Doctoral School of Applied Informatics and Applied Mathematics

Decision no. 184

Decision no. 184/1.: The Council of the Doctoral School of Applied Informatics and Applied Mathematics, on the recommendation of the AIAMDI's Admissions Committee, recommends the admission of the following students as follows:

Organized scholarship training in the following order:

1. Károly Ármin (supervisor: Dr. Galambos Péter; research topic: Spatial management of automated industrial systems with new tools for calibration, navigation and process tracking)
2. Szűcs István (supervisor: Dr. Kopják József; research topic: Distributed wireless control and sensor networks for energy management)
3. Roman Róbert (supervisors: Dr. Kovács Levente, Dr. Szilágyi László; research topic: Development and application of deep learning algorithms for the analysis of medical image data for diagnostic and therapeutic purposes)

Remarks:

The admission of Ármin Károly and István Szűcs is conditional upon the presentation of an MSc degree of at least good standing.

Organised training with reimbursement of costs:

1. Póra Krisztián (supervisors: Dr. Lovas Róbert, Dr. Marosi Attila Csaba; research topic: Autonomous systems data streams on edge and cloud computing platforms)

Remark:

The admission of Krisztián Póra is conditional upon the presentation of an MSc degree of at least good standing.

For individual training in the following order:

1. Nemes Teréz Erzsébet (supervisors: Dr. Katona József, Dr. Kővári Attila; research topic: Design and evaluation of information security strategies using a game theory model)
2. Fleiner Balázs (supervisors: Dr. Tasnádi Attila, Dr. Cseh Ágnes; research topic: Computer and mathematical analysis of community decision, sharing and pairing problems)
3. Gottdank Tibor (supervisors: Dr. Kozlovsky Miklós, Dr. Gall Anthony; research topic: Supporting architectural history research with innovative IT methodology and visualisation tools)

Remarks: after the accreditation held by the MAB, it was also necessary to have the leaders of the new subjects approved by the MTTDHT. Péter Galambos, József Kopják, Levente Kovács, Miklós Kozlovsky, Róbert Lovas have been active members for a long time.

József Katona's suitability to be a subject leader has already been examined by the DIT in the following decision: "Decision No.161.2: The Doctoral Council of the Doctoral School of Applied Informatics and Applied Mathematics accepts the appointment of Dr. Attila Kővári to be announced under the joint chairmanship of the research topic "Human-computer interfaces supported by



artificial intelligence" and the thesis "Information technology systems in the field of human-computer interfaces". A formal revision of this is not considered justified.

The formal examination of the suitability of Dr. Attila Tasnádi, Dr. Ágnes Cseh as subject leader has been completed with positive results in DIT Decision 183/1 and 183/2 respectively.

Anthony Gall and Attila Csaba Marosi have not been part of the AMIAMDI crew so far. This necessitates the following two new decisions:

Decision no. 184/1.1.: The Council of the Doctoral School of Applied Informatics and Applied Mathematics has formally examined his suitability to be a subject leader, and proposes to the MTTDHT to include Prof.Dr.habil. Gall Anthony.

Decision no. 184/1.2.: The Council of the Doctoral School of Applied Informatics and Applied Mathematics has formally examined the suitability of Dr. Attila Csaba Marosi as a subject leader and proposes to the MTTDHT to include Dr. Attila Csaba Marosi as a subject leader of AIAMDI. Although he currently has only 4 publications from the last 5 years instead of the minimum 5 required, he has 52 publications in MTMT2, and as a very active publishing colleague, he will certainly catch up soon with his first publication in 2024.

Decision no. 184/2.: The Council of the Doctoral School of Applied Informatics and Applied Mathematics supports the joint request of Gábor Légrádi PhD student and his supervisor, Prof.Dr. Sándor Szénási, to postpone the complex examination of Gábor Légrádi due to the deatragical event that recently happened in his family.

Decision no. 184/3.: The Council of the Doctoral School of Applied Informatics and Applied Mathematics supports the request of Ádám Gyula Nemes, supported by the current supervisors, to allow Dr. György Eigner to take over 100% of the currently 50%-50% shared supervisorship of the topic between Dr. György Eigner and Dr. Béla Weisz. According to the table below, Dr György Eigner's current workload as subject leader is $7 \times 0.5 = 3.5$ persons, which would be increased to 4 persons, less than the 6 persons currently fixed in the rules.

Al-Sabaawi Abdulrahman Khalid Eesee	(PhD)	(2026/08)	VMADI
(Noboa Erick	(PhD)	(2026/08)	AIAMDI
(Nemes Gyula Ádám	(PhD)	(2026/01)	AIAMDI
(Pusztaházi Luca Sára	(PhD)	(2026/01)	AIAMDI
(Tran Tuan-anh	(PhD)	(2025/08)	AIAMDI
(Dénes-Fazakas Lehel	(PhD)	(2025/01)	AIAMDI
Tolner Ferenc	(PhD)	(2024/08)	AIAMDI

Decision no. 184/4.: Péter Piros, PhD student, who prepared his PhD thesis "Improving Mortality Prediction with Machine Learning Models" under the supervision of Adalbert Levente Kovács and Dominika Rita Fleiner, has initiated the official process for obtaining his degree. By decision DIT 170/1 of the AIAMDI, after a successful workplace discussion, a committee was appointed for the final public defense after a prior informal orientation, which was later approved by the MTTDHT. On 30 January 2024, Rita Fleiner indicated by e-mail that a publication of the Candidate appeared in the publication list of Dr. Eszter Balázs Dr. Kail, Assistant Professor, who had been invited as internal opponent, and therefore requested to change the internal opponent to Dr. Ferenc Leitold.



The AIAMDI DIT approves this change, as Dr. Leitold Ferenc's name does not appear in the Candidate's publication list. As a result of this change, the DIT will make the following committee proposal to the MTTDHT:

The Public Defence Committee:

1. Chair: Prof. Dr. Szénási Sándor egyetemi tanár, ÓE

Prof. Dr. Szénási Sándor
egyetemi tanár
ÓE, Neumann János Informatikai Kar
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2. Secretary: Nagyné Dr. habil Hajnal Éva kutatási dékánhelyettes, ÓE

Nagyné Dr. habil Hajnal Éva
kutatási dékánhelyettes
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3. Opponent 1: Leitold Ferenc

Dr. Leitold Ferenc
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4. Opponent 2: Prof. Dr. Fullér Róbert (Széchenyi István Egyetem)

Prof. Dr. Fullér Róbert DSc
egyetemi tanár
Széchenyi István Egyetem,
Gépészmérnöki, Informatikai és Villamosmérnöki Kar,
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5. Member: Dr. Micsik András Ph.D. tudományos főmunkatárs, kutató, SzTAKI

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6. Member: Dr. habil. Laufer Edit intézetigazgató, ÓE

Dr. habil. Laufer Edit
intézetigazgató
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7. Member: Dr. Nagy Enikő egyetemi docens, ÓE

Dr. Nagy Enikő egyetemi docens



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Decision no. 184/5.: The Council of the Doctoral School of Applied Informatics and Applied Mathematics supports the proposal of Dr. József Katona and Dr. Antal Joós for a thesis entitled "Determination or estimation of unknown values of the K-body cover function". The suitability of Dr. József Katona as a topic leader has been successfully assessed in the past.

Decision no. 184/5.1.: The Council of the Doctoral School of Applied Informatics and Applied Mathematics accepts Dr. Antal Joós as a supervisor. He is not currently listed on the ODT website as a lecturer in a doctoral school, but his publication list in MTMT2 shows that he amply satisfies the criteria for a subject leader.

Decision no. 184/6.: The Council of the Doctoral School of Applied Informatics and Applied Mathematics admits Dr. Mehdi Taassori to the DI faculty with the very carefully edited course "Digital Image Processing".

According to the link <https://www.tandfonline.com/doi/full/10.1080/03772063.2017.1355754> „Mehdi Taassori received the PhD degree in electrical and electronic engineering from Eastern Mediterranean University, Famagusta, Turkey, in 2016. " His current place of work is:

<https://nik.uni-obuda.hu/kiberfizikai-rendszerek-intezet/>

Dr. Mehdi Taassori
egyetemi adjunktus

Óbudai Egyetem

Neumann János Informatikai Kar

Kiberfizikai rendszerek Intézet

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Decision no. 184/7.: The Council of the Doctoral School of Applied Informatics and Applied Mathematics is interested in the two proposed topic proposals of Dr Mehdi Taassori, but due to the regulations, as he has no publications in MTMT2 in the last 5 years, he cannot be nominated as a topic leader at this time (his most recent publication is from 2018). Given his previous active publication activity, it is expected that this status will be removed in 1-2 years, and then his topic proposal will be worth considering.

Decision no. 184/8.: The Council of the Doctoral School of Applied Informatics and Applied Mathematics has accepted the habilitation application of Dr. Csaba Farkas in the field of "natural sciences/mathematics and computer sciences" (Title of the Thesis: „*Energy properties of PDEs: a geometric insight*”). The following composition of the committee, already informally agreed, is proposed to the MTTDHT:

Expert Evaluation Committee [SzBB] (includes the Scientific Habit Examination Committee [HVB])

1. SzBB (and HVB) Chair: Prof.em.Dr.habil Nagy Péter Tibor DSc, OE, mathematician
Prof.em.Dr.habil Nagy Péter Tibor DSc
professor emeritus



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2. HVB external member: Prof.Dr.habil. Muzsnay Zoltán DSc
Prof.Dr.habil. Muzsnay Zoltán DSc
tanszékvezető egyetemi tanár
Debreceni Egyetem,
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3. HVB internal member: Prof.Dr.habil. Baricz Árpád
Prof.Dr.habil. Baricz Árpád
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4. SzBB Secretary: Prof.em.Dr.habil. Galántai Aurél, DSc, ÓE
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Remarks:

- In the meantime, further questions have arisen regarding the habilitation of Dr. Csaba Farkas due to a provision of the current EDHS. As no request for "naturalisation of a university degree" has been raised in our practice so far, I asked Dr. Péter Kárász, Director General of Education, for his opinion on the following issue: a habilitation procedure can be initiated 5 years after the PhD degree has been obtained. This presumption is fulfilled, as the applicant obtained his PhD degree at the University of Óbuda by defending his Thesis entitled: „*Sobolev-type inequalities on Riemannian manifolds with applications*” in 2018. His supervisor was Prof.Dr. Kristály Sándor. So there is no need to "naturalise" the PhD degree, but the underlying MSc degree has not been "naturalised", it has only been officially translated into Hungarian. My question was whether the naturalization of the MSc degree could be avoided in this case. In his reply, Dr. Péter Kárász quoted the following legal provision: "Act C of 2001 on the recognition of foreign certificates and diplomas. "Article 4 (2) The recognition of the level of qualification, professional qualification or vocational qualification attested by foreign certificates and diplomas in accordance with Chapter II, Chapter IV and Chapter V, if it is for the purpose of further studies in an educational institution, shall be the responsibility of the educational institution in which the applicant intends to continue his/her studies." Since the Applicant completed his PhD studies at the University of Óbuda, the above legal condition is deemed to have been fulfilled. There is no reason for the University, at the habilitation level, to question its own decision, which it had once lawfully taken in relation to the PhD level.
- Plagiarism checks under the new ESG standard are ongoing.

The material related to habilitation is available at the following link:

https://drive.google.com/drive/folders/13oMTcazlhWGuvmyG_dxHnIyPMRFjkaQI?usp=sharing



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Alkalmazott Informatikai és Alkalmazott Matematikai
Doktori Iskola

Other material from the decision is available at the following link:

<https://drive.google.com/drive/folders/1IK5nyWRkLEJatc4rVHfG7cQFzr894vM4?usp=sharing>

Budapest, 13 February 2024

Prof.Dr. Tar József
Chair of the AIAMDI DIT

Dr. Simon Gyula
Vice-Chair of the AIAMDI DIT