

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

Decision No. 218

Resolution No. 218/1: The Council of the Doctoral School of Applied Informatics and Applied Mathematics recommends to the EDHT (University Doctoral and Habilitation Council) that PhD student Genet Mekonnen Assefa, based on her public defense evaluated at 93%, be awarded the qualification “summa cum laude” in mathematics and computing (within natural sciences).

Resolution No. 218/2: The Council of the Doctoral School of Applied Informatics and Applied Mathematics issues the pre-degree certificate ("absolatory") to Mohammadreza Azodinia, PhD student in individual preparation, confirming the completion of all required credits for the doctoral degree, as detailed below:

Name	Comprehensive (Complex) Exam	Publication	Total
Mohammadreza Azodinia	120	164	284

Resolution No. 218/3: Phd student Mohammadreza Azodinia has submitted all required documents to initiate the doctoral degree acquisition procedure. The Council of the Doctoral School of Applied Informatics and Applied Mathematics proposes the following committee for the workplace discussion and for the final public defense:

Workplace discussion

External Reviewer: Dr. Marianna Bodroginé Zichar, Associate Professor (University of Debrecen)

Internal Reviewer: Dr. Balázs Tusor, Assistant Professor (Obuda University)

Public defense

Chair: Prof. Dr. Péter Tibor Nagy, Professor Emeritus (Obuda University)

Secretary: Dr. Eszter Balázsné Kail, Assistant Professor (Obuda University)

Reviewers:

Dr. Marianna Bodroginé Zichar, Associate Professor (University of Debrecen)

Dr. habil. Adrienn Dineva, Associate Professor (Obuda University)

Members:

Prof. Dr. László Horváth, Professor Emeritus (Obuda University)

Dr. Tibor Bíró, Professor (University of Public Service)

Resolution No. 218/4: The Council of the Doctoral School of Applied Informatics and Applied Mathematics approves the research topic titled "LLM-based, documentation-centric security compliance evaluation models and architectures in enterprise public cloud environments" to be announced under the joint supervision of Prof. Dr. Kornélia Lazányi and Dr. Anna Bánáti-Baumann.

Resolution No. 218/5: Based on the recommendation of the Admissions Committee, the Council of the Doctoral School of Applied Informatics and Applied Mathematics proposes the admission of the following students:

Full-time, scholarship-funded doctoral program in the order listed below:

- 1-3 András Makány (supervisors: Prof. Dr. Péter Galambos, Dr. József Kövecses; topic: The role of physical interactions in robot learning based on multimodal neural models)
- 1-3 Imre Pardi (supervisor: Dr. Anna Vörösné Bánáti-Baumann; topic: Development of multi-agent-based user behaviour models for the simulation of IT systems and Cyber Range environments)
- 1-3 Barbara Simon (supervisors: Prof. Dr. György Eigner, Dr. Lehel Dénes-Fazakas; topic: Development of medical large language models and artificial intelligence systems)
- 4 Attila Kovács (supervisors: Prof. Dr. Levente Kovács, Prof. Dr. László Szilágyi; topic: Model-agnostic control of complex robotic systems using hierarchical reinforcement learning)
- 5-8 Kata Egres (supervisor: Prof. Dr. Sándor Szénási; topic: Machine-learning-based adaptive stopping criteria for metaheuristic algorithms)
- 5-8 Ádám Hartveg (supervisors: Prof. Dr. György Eigner, Dr. Lehel Dénes-Fazakas; topic: Research and development of multi-agent and agentic AI systems for medical and educational applications)
- 5-8 Dániel Lipták (supervisors: Prof. Dr. Sándor Szénási, Prof. Dr. Imre Felde; topic: Categorization of log files with limited training samples)
- 5-8 Tamás Panyi (supervisor: Dr. habil. Gábor Kertész; topic: MetaPAC – General meta-learning-supported adaptive parameter compression in transformer models)
- 9 Ziafat Bushra (supervisor: Prof. Dr. Péter Galambos; topic: Deep learning-based autonomous grasping and in-hand manipulation)

Note:

- The admission of Ádám Hartveg, András Makány, Tamás Panyi and Barbara Simon is conditional upon presenting an MSc degree with at least a “good” qualification.
- The Admissions Committee also supports the admission of Zou Jianpeng (supervisors: Prof. Dr. Levente Kovács, Dr. Guangren Duan; topic: Robust Adaptive Control and Application of Unidirectionally Connected Fully Actuated Systems), but only from the next semester, starting 1 September 2026.

Individual preparation doctoral program, in the order listed below:

1. Azimi Mohammad Saber (supervisor: Prof. Dr. Habib Zaidi; topic: Digital Twins for Quantitative Imaging and Theranostics)
2. Salmani Ghanbari Saba (supervisor: Dr. Amir Mosavi; topic: Deep learning-based power modelling for wave energy conversion using ocean wave simulations)
3. Dávid János Fehér (supervisors: Prof. Dr. Kornélia Lazányi, Dr. Anna Vörösné Bánáti-Baumann; topic: LLM-based, documentation-centric security compliance evaluation models and architectures in enterprise public cloud environments)

Based on the position statement of the Admissions Committee, the Council of the Doctoral School of Applied Informatics and Applied Mathematics does not recommend the admission of doctoral applicant Markulj Bozana (supervisors: Prof. Dr. Andrea Tick, Dr. Philipp Rosenberger; topic: Improving large language model outputs through structured preprocessing of graphical representations of business-relevant data), as the applicant did not achieve the minimum score required for admission.

Resolution No. 218/6: The Council of the Doctoral School of Applied Informatics and Applied Mathematics approves the subject entitled "Representation and Metric Learning " proposed by Dr. habil. Gábor Kertész and announces it to doctoral students as a new core subject starting from the next semester.

Resolution No. 218/7: The Council of the Doctoral School of Applied Informatics and Applied Mathematics approves the subject entitled "Autonomous Intelligence in Action - An Interdisciplinary and Systems Intelligence Approach" proposed by Dr. habil. Zrubka Zsombor and announces it to doctoral students as a soft skills subject starting from the next semester.

Resolution No. 218/8: The Council of the Doctoral School of Applied Informatics and Applied Mathematics approves the certificates submitted by doctoral students Melánia Pamuki-Puskás and Martin Dömény, confirming that they have completed the course titled “Advanced Nonlinear Control Theory” at the Doctoral School of Information Science and Technology of the University of Pannonia, and grants them 8 credits.

Resolution No. 218/9: The Council of the Doctoral School of Applied Informatics and Applied Mathematics approves the certificates submitted by doctoral student Attila Biró confirming the completion of the following courses and grants him the corresponding credits:

- 1.Course (UMFST): Advanced Methods in Image Processing and Pattern Recognition, exam: 20 November 2020, ECTS: **7 credits**
- 2.Course (UMFST): Modelling of Nonlinear Systems, exam: 20 November 2020, ECTS: **7 credits**
- 3.Course (UMFST): Methodology of Scientific Research, exam: 27 January 2021, ECTS: **6 credits**
- 4.Course (UMFST): Ethics in Scientific Research and Intellectual Property, exam: 19 January 2021, ECTS: **3 credits**

Budapest, 30 January 2026

Dr. Gyula Simon
Professor

Chair of the Council of the Doctoral School