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

Decision No 201

Decision No 201/1: The Council of the Doctoral School of Applied Informatics and Applied Mathematics, acting on the recommendation of the AIAMDI Admissions Committee, and in accordance with the regulations in force, proposes the admission of the following students in the following categories:[1]

Organised scholarships, in the following order:

1. Lilla Kisbenedek (supervisor: Dr. Dániel Drexler; topic: parameter estimation of life science models with machine learning algorithms)
2. Sándor Burian (supervisor: Dr. Miklós Kozlovszky; topic: Modelling and investigation of animal and plant tissue structures)
3. Tamás Piricz (supervisor: Dr. Péter Galambos; topic: New possibilities of machine learning methods in robotics in the field of adaptability and semantic reasoning)
4. Enikő Boros (supervisor: Dr. Rudolf Klein; topic: Perception and artificial intelligence: new perspectives in the aesthetics of Hungarian modernist architecture)
5. István Balázs Vass (supervisor: Dr. Rudolf Klein; topic: The influence of Italian modern architecture and design on Hungarian aspirations. Comparative analysis using digital tools)

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[1]REGULATIONS FOR DOCTORAL STUDIES AND HABILITATION AT THE UNIVERSITY OF ÓBUDA
Budapest, 2023 (Version 11, effective from 19 September 2023, consolidated with the amendments)

Admission to doctoral studies
19. §
(1) Admission to doctoral studies shall be open to those who possess the degree and professional qualification obtained in the Master's programme and the foreign language skills required for the study of the field of study as specified in the regulations of the doctoral school (Nftv. 40. § (6) bek)

20. §
(1) Applicants for admission shall be interviewed by an admission committee (chairperson, members) appointed by the DIT, either in person or online. On the basis of the documents submitted and the interview, the committee shall assess the performance of the applicants on a 100-point scale according to the following criteria:

(a) previous academic record (MSc/MBA degree qualification) - maximum 30 points (excellent degree 30, good degree 20, moderate 10 points);

b) English language proficiency - maximum 15 points (upper 15, intermediate 11, elementary 7, on-site oral assessment 0-7);

c) achievements in previous research, creative and/or professional work (student prizes, scientific publications, patents, documented developments) - maximum 30 points;

d) feasibility of the doctoral work - maximum 25 points.

(2) On the basis of the scores obtained, the selection board shall rank the applicants. A minimum of 60 points is required for admission to doctoral studies and a minimum of 5 points must be obtained in each of the four criteria. The 60 points are only a necessary condition for admission, but are not a guarantee of admission, nor do they guarantee the award of any scholarship.

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6. Emese Juhász (supervisor: Dr. Viktória Sugár; topic: infocommunication tools of "smart" urban development and the role and rise of artificial intelligence in urban planning)
7. Marcell Bálint Nánási (supervisors: Dr. Viktória Sugár, Dr. István Kistelegdi; topic: Improving the comfort of urban public spaces by designing urban "cold islands" and urban passive ventilation systems)
8. Balázs Váradi (supervisor: Dr. Anthony John Gall; topic: The autonomous cultural landscape. Analysing brownfield areas of small settlements, land use analysis with analytical and digital tools, landscape and settlement planning support with AI-based simulation modelling)

Training organised on a fee-paying basis:

1. Patrik Roland Czakó (supervisors: Dr. Sándor Szénási, Dr. Gábor Kertész; topic: Development of model compression based efficiency enhancement methods for deep neural networks)
2. Róbert Szabó (supervisors: Dr. Attila Talamon, Dr. Viktória Sugár; topic: Active consumers, prosumers in residential, commercial and public buildings)

Comments:

Attila Vámos Azár (supervisor: Dr. Gábor Kertész, Dr. Attila Kővári; topic: Life cycle testing of industrial automation systems) did not reach the minimum score in the admission test, but the committee recommends his admission to the organized fee-based training because of his research project based on his practical experience[2].

For individual training in the following order:

1. Seyedmilad Mousavi (témavezető: Dr. Amir Mosavi; téma: Modeling and Analyzing the efficacy of three anti-angiogenic drugs on treatment of solid tumors using 3D computational modeling and deep learning)
2. Hamed Tabrizchi (témavezető: Dr. Amir Mosavi; téma: Energy-Aware Resource Management in Serverless Environments Using Deep Reinforcement Learning)
3. Murat Kozhanov (témavezető: Dr. Amir Mosavi, Dr. Eigner György; téma: Expanding the Role of Artificial Intelligence in Multidiscipli-nary Educational Program Design and Planning)
4. Ágnes Gerse (supervisors: Dr. Adrienn Dineva, Dr. Rita Fleiner; thesis: application of data-driven modelling and optimisation methods in the field of energy system analysis)

Attachment:

Felveteli beszelgetes_2024_augusztus_28_jkv_FB utan.pdf

Budapest, 20 September 2024.

Prof.Dr. József Tar
Chair of the Doctoral Council

Prof.Dr. Gyula Simon
Vice-Chair of the Doctoral Council

[2](3) On the basis of the evaluation and report of the selection committee, the DIT will make a recommendation to the EDHT President, taking into account additional criteria (priority of the research topic, professional potential of the topic leader, the grant budget from the EDHT and other faculty opportunities).