

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

### Decision No. 217

**Resolution No. 217/1:** The Council of the Doctoral School of Applied Informatics and Applied Mathematics recommends to the EDHT (University Doctoral and Habilitation Council) that PhD student Gergely Tibor László be awarded a "summa cum laude" doctoral degree in computer sciences (within engineering sciences), based on his public defense, which received a score of 100%.

**Resolution No. 217/2:** The Council of the Doctoral School of Applied Informatics and Applied Mathematics recommends to the EDHT (University Doctoral and Habilitation Council) that PhD student Gyula Ádám Nemes be awarded a "summa cum laude" doctoral degree in computer sciences (within engineering sciences), based on his public defense, which received a score of 100%.

**Resolution No. 217/3:** The Council of the Doctoral School of Applied Informatics and Applied Mathematics recommends to the EDHT (University Doctoral and Habilitation Council) that PhD student Eszter Virág be awarded a "summa cum laude" doctoral degree in computer sciences (within engineering sciences), based on her public defense, which received a score of 100%.

**Resolution No. 217/4:** The Council of the Doctoral School of Applied Informatics and Applied Mathematics approves the subject entitled "Mathematical Methods of Data Science" proposed by Dr. habil. Gábor Csiszár and announces it to doctoral students as a new core subject starting from the next semester.

**Resolution No. 217/5:** The Council of the Doctoral School of Applied Informatics and Applied Mathematics approves the subject entitled "Artificial Intelligence-Based Control Engineering" proposed by Prof. Dr. Éva Henrietta Dulf and Dr. Lehel Dénes-Fazakas and announces it to doctoral students as a new core subject starting from the next semester.

**Resolution No. 217/6:** The Council of the Doctoral School of Applied Informatics and Applied Mathematics approves the subject entitled "Large Language Models and Agentic AI Systems" proposed by Prof. Dr. György Eigner and Dr. Lehel Dénes-Fazakas and announces it to doctoral students as a new core subject starting from the next semester.

**Resolution No. 217/7:** The Council of the Doctoral School of Applied Informatics and Applied Mathematics approves the subject entitled "Medical Image Processing Using Traditional and Deep Learning Methods" proposed by Prof. Dr. László Szilágyi and Dr. Lehel Dénes-Fazakas and announces it to doctoral students as a new core subject starting from the next semester.

**Resolution No. 217/8:** PhD student Zsolt Bringye requested the appointment of Dr. Eszter Balázsne Kail as co-supervisor, whose expertise would greatly assist with his research. The Council of the Doctoral School of Applied Informatics and Applied Mathematics supports the request.

**Resolution No. 217/9:** The Council of the Doctoral School of Applied Informatics and Applied Mathematics approves the research topic "Development of Multi-Agent Based User Behavior Models for the Simulation of IT Systems and Cyber Range Environments" to be announced under the supervision of Dr. Anna Vörösné Bánáti-Baumann.

Budapest, 12 January 2026

Dr. Gyula Simon  
Professor

Chair of the Council of the Doctoral School

