



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

### Decision No. 186

**Decision No. 186/1:** The Council of the Doctoral School of Applied Informatics and Applied Mathematics supports the one-year deferral request of Arpad Varga PhD student to submit his dissertation ("Varga-Arpad-lagasztasi-kerelem-uni.pdf"). The DIT appreciates that the applicant has sacrificed his own personal career interests to help the Kandó Faculty.

**Decision 186/2:** The Council of the Doctoral School of Applied Informatics and Applied Mathematics supports the request of Masoumah Vali to change his supervisor ("Changing supervisor\_Masoumeh Vali\_signed.pdf"), according to which Dr. Levente Kovács would step down from his current 50% co-supervisor position, which would be taken over by Dr. Tamás Ferenci. Prof. Amir H. Gandomi would remain unchanged as 50% co-topic leader. The petition was signed in support by all parties concerned.

**Decision 186/3:** The Council of the Doctoral School of Applied Informatics and Applied Mathematics supports the initiation of the dissertation procedure of GERGELY SEBESTYÉN on "Investigation of convolutional data collection methods in flooding routing based mesh wireless sensor networks" (supervisor: Dr. József Kopják). The following opponents and committee members are proposed to the MTTDHT<sup>1</sup>:

#### Opponents of the Hoe Defense Process:

1. External opponent: Dr. Ádám Norbert, PhD, TUKE, SK  
<https://kpi.fei.tuke.sk/en/person/norbert-adam>  
doc. Ing. Norbert Ádám PhD.  
Associate professor  
Faculty of Electrical Engineering and Informatics  
Department of Computers and Informatics  
Počítačové centrum FEI, Park Komenského 6, Room: č.d. 012  
E-mail: [norbert.adam@tuke.sk](mailto:norbert.adam@tuke.sk)
2. Internal opponent: Dr. Varga Péter János, ÓE  
Dr. Varga Péter János  
egyetemi docens  
ÓE, Kandó Kálmán Villamosmérnöki Kar,  
Elektronikai és Kommunikációs Rendszerek Intézet  
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E-mail: [varga.peter@kvk.uni-obuda.hu](mailto:varga.peter@kvk.uni-obuda.hu)

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<sup>1</sup>Public discussion of the doctoral thesis (defence)

31. §

(4) The members and reserve members of the committee must have an academic degree. One of the two official referees and at least one of the other members of the evaluation committee must not be employed by the University. No more than one of the official referees may be the same as the person who is the first referee for the workplace dispute. The official external referee must be a foreign national for students admitted after 1 January 2024.



**Public debate committee:**

**1. Chair:** Prof. Dr. Főző Ladislav

<https://obuda.hu/tiz-uj-professzort-nevezett-ki-az-obudai-egyetemre-a-koztarsasagi-elnok/>

Prof.Dr. Főző Ladislav

kutatóprofesszor

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**2. Secretary:** Dr.habil, Pálfi Judith, ÓE

Dr.habil. Pálfi Judith

egyetemi adjunktus

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**3. Internal opponent:** Nagyné Dr. habil Hajnal Éva, ÓE

Nagyné Dr. habil Hajnal Éva

kutatói dékánhelyettes

ÓE, Alba Regia Műszaki Kar,

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**4. External opponent:** Dr. Ádám Norbert, PhD, TUKE, SK

<https://kpi.fei.tuke.sk/en/person/norbert-adam>

doc. Ing. Norbert Ádám PhD.

Associate professor

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**Members:**

**5. External Member:** Dr. Jagasics Szilard (Doctor of Engineering), ThyssenKrupp AG, Essen, Germany

**6. Internal Member:** Dr. Istók Róbert, ÓE

Dr. Istók Róbert

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**7. Internal member:** Dr. Drexler Dániel András, ÓE

Dr. Drexler Dániel

egyetemi docens

ÓE, Neumann János Informatikai Kar,

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### Reserves:

**Reserve chair:** Prof. Dr. Galambos Péter, ÓE  
Prof. Dr. Galambos Péter  
főigazgató-helyettes, egyetemi tanár, BARK igazgató  
ÓE, Egyetemi Kutató és Innovációs Központ,  
Bejczy Antal iRobottechnikai Központ  
1034 Budapest, Bécsi út 96/b. (BA.2.36)  
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**Reserve secretary:** Dr. Bencze Attila István, ÓE  
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**Reserve opponent:** Dr. Hidvégi Timót, SZE  
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Dr. Hidvégi Timót  
egyetemi docens  
Széchenyi István Egyetem, Győr  
Automatizálási és Mechatronika Tanszék  
Győr Egyetem tér 1. tanulmányi ép. C-701|L1/101  
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The material of Gergely Sebestyén can be found at the following link:

<https://drive.google.com/drive/folders/1uJT45ZuIEx6K7vVlweOEjNdWBw25vdMR?usp=sharing>

**Decision 186/4:** The Council of the Doctoral School of Applied Informatics and Applied Mathematics recommends to the MTTDHT Dr.habil. Zsolt Csaba Johanyák, professor, for the research topic "Artificial Intelligence Techniques in Quality Risk Assessment and Management in Software Development Process", which fits into the topic group "Foundations and Applications of Computer Science" ("AI\_techniques\_in\_software\_development.pdf"). The topic is obviously topical and scientifically sound with the program/demand for the selection of the appropriate AI technique. It is expected that applicants will be admitted to the topic in the near future. Based on the document "Zsolt Csaba Johanyák - ODT Personal data sheet.pdf", Dr.habil. Zsolt Csaba Johanyák meets the criteria for the position of subject leader as defined in the EDHSz.

### Others:

The Council of the Doctoral School of Applied Informatics and Applied Mathematics has received the accreditation report and the decision of the MAB, which are available at the following link.

[https://drive.google.com/drive/folders/1axpwKO4F67o1-SvUryrEQjutatb5-q\\_r?usp=sharing](https://drive.google.com/drive/folders/1axpwKO4F67o1-SvUryrEQjutatb5-q_r?usp=sharing)

The substance of the report can be summarised as follows: 'Conditions of the monitoring procedure: the DI shall submit a written monitoring report to the MAB within two years of the date of this decision, detailing the measures taken to remedy the deficiencies listed in this report. Within 30 working days of receipt of the report, the MAB will notify the DI if it considers an on-site/online visit is necessary. The list of deficiencies



to be remedied is set out in Chapter I.2; if these are not remedied within the prescribed time limit, the MAB will withdraw accreditation from the DI." (Date of decision 23.02.2024.)

Among the shortcomings listed in Chapter I.2, AIMADI, BDI and ATDI are condemned on 11 common points, suggesting that they are due to operating under a previous standard and expectation that differed from the ESG standard now imposed retroactively.

The material in the formally submitted self-assessment focused mainly on explaining the reasons for the unrealistic nature of the new requirements and trying to avoid meeting them. These explanations seem to have fallen on deaf ears, and although the MAB experts are themselves academics, and we had hoped that the standard, which was essentially designed for mass education, would be applied with the necessary flexibility and empathy, given the specificities of doctoral education, this expectation was not fulfilled. The formal expectations are demanded to be met schematically, which in practice means the requirement to design a regulator in which the regulator has no effective intervention points to influence the process to be regulated. Furthermore, the wording of the requirement suggests a 100% compliance requirement, which seems impossible under the circumstances.

**For now, we can meet the following expectations:**

The "- EDHT and DIT decisions are only available on the Hungarian website, which is partly understandable due to the working language of the Councils. However, in order to ensure the transparent functioning of the Councils and to inform students equally, it is recommended to provide a summary of the most important decisions in English." I have so far been able to meet this requirement as AIAMDI DIT and MTTDHT Chair:

I will also translate the decisions of these bodies into English from 2024, and our colleague Zsuzsa Bácskai has arranged with the IT Department to publish these translations on the AIAMDI website. In order to assess the fulfilment of the conditions for subject leaders and tutors, a formalised procedure has been introduced in AIAMDI and DIT, which shows in detail the fulfilment of the conditions based on the latest public data available on the website [www.doktori.hu](http://www.doktori.hu) and in MTMT2.

The "- Quality policies are currently in force for the OE's doctoral schools, with identical wording. If the institution expects its doctoral schools to have a separate quality policy, it is essential to formulate a quality policy and operating rules that are truly DI-specific, with the involvement of external and internal stakeholders."

In order to fulfil this condition, we started working on an online questionnaire with the collaboration of Dr. György Eigner, Dean of the Faculty of Arts and Sarolta Ramirez, which would seek the opinion and advice of representatives of companies already in formal contact with the OE in the annual review of the training plan - this would mean involving competent external stakeholders.

The preparation of the monitoring report will be coordinated by the University Doctoral and Habilitation Office under the leadership of Dr. Andrea Mikáczó and the professional guidance of Dr. Annamária Várkonyiné Dr. Kóczy, President of the EDHT. They will soon have their office on the first floor of the building of the Media Works, from which AIAMDI expects administrative support. We have had our first meeting with the heads of the doctoral schools, the first clear conclusion of which would be the proposal that they are asking the DIT to adopt:

**Decision 186/6:** The AIAMDI DIT supports the proposal that AIAMDI, BDI and ATDI agree on a common quality assurance policy and that a single joint document would be developed for this purpose Dr. Andrea Mikáczó. This could be complemented by specific requirements of the DI concerned, which could not weaken but only tighten the requirements of the general document.



ÓBUDAI EGYETEM  
ÓBUDA UNIVERSITY

Alkalmazott Informatikai és Alkalmazott Matematikai  
Doktori Iskola

Budapest, 2 April 2024.

Prof. Dr. Tar József  
Chair of the DIT

Prof. Dr. Simon Gyula  
Vice Chair of the DIT