

# CURRICULUM VITAE

## Personal data

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## Qualification, degree

- 2002 - 2007 Computer Science MSc, University of Debrecen, Faculty of Informatics
- 2002 - 2007 English-Hungarian specialized translator in computer science, University of Debrecen, Centre for Foreign Languages
- 2007 - 2013 Computer Science PhD., University of Debrecen, Faculty of Informatics
- 2022 habilitation University of Debrecen, Computer Science

## Language skills

- English (Advanced C1)
- French (Beginner A2)
- Japanese (Beginner A1)

## Jobs and positions

- University of Debrecen, Faculty of Informatics, Lecturer, 2011 – 2013
- University of Debrecen, Faculty of Informatics, Assistant Professor, 2013 – 2022
- University of Debrecen, Faculty of Informatics, Associate Professor, 2023 –

## Awards, honours, scholarships

- Outstanding PhD student of 2011, University of Debrecen, Doctoral School of Informatics
- Outstanding Teacher of the Year 2019, University of Debrecen, Faculty of Informatics
- Rector's Certificate of Recognition, University of Debrecen, Debrecen, 2021

## **Teching:**

High-level programming in C, C++, Java and Kotlin

Computer systems and networks

Low-level and engineering development:

PhD course: Agent Based Models (PhD)

## **Memberships:**

- MTA public board member
- Neumann János Computer Science Society
- Debrecen Testing Board

## **Doctoral school membership**

Lecturer and supervisor at the Doctoral School of Computer Science, University of Debrecen

## **Secretary of the Doctoral School**

Since 2017 Secretary of the Doctoral School of Computer Science, University of Debrecen

## **Thesis topic supervisor**

Thesis supervisor for more than 40 undergraduate students

## **Research area:**

### **Computer modelling of spreading processes and social networks**

In this topic, we look at spreading processes, in particular, information diffusion on different social networks. In addition, other social networks and abstract transport network models are emphasized. As a tool for our research, we mainly rely on computer simulations and analytical calculations. Our results are published in international journals and conferences.

### **High-performance scientific computing and containerisation**

The aim of our research is to explore and demonstrate the application possibilities of the HPC infrastructure available at the University of Debrecen and nationally. Within this topic, we will pay special attention to the performance analysis of containerized scientific computations and promote it to the user community.

### **Software development and testing**

In related research, the main aim is to share experiences of e-learning methods and software testing training at the University of Debrecen. The results of applied development projects will also be published in this context.

## **Publication lists**

MTMT: <https://m2.mtmt.hu//api/report/636531/actions/list?field=30&format=html>

Google Scholar: <https://scholar.google.hu/citations?user=7r-tnlwAAAAJ&hl=hu>

## **Conference Editorial Committee Membership (as referee)**

- NISecurity - International Conference on Network and Information Security (2021, 2022)
- OTDK 2021, Local TDK 2021
- International Conference on Advances in Computer Technology, Information Science and Communications CTISC 2021
- XXXIII DidMatTech 2020
- IEEE International Conference on Communication and Information Systems (ICCIS 2018,2019)
- International Conference on Communication and Network Security (ICCNS 2018, 2019, 2020, 2022)
- International Conference on Wireless Communication and Sensor Networks (icWCSN 2021, 2022, 2023)
- International Conference on Networks and Communications (NCO 2021, 2022, 2023)

## **Scientific journal editorial board membership (as a reviewer)**

- Carpathian Journal of Electronic and Computer Engineering
- Teaching Mathematics and Computer Science
- MDPI Sensors