



DR. IR. PÉTER ZOLTÁN CSURCSIA

CONTACT

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COMPETENCES

Data-driven modeling
Experiment design
Advanced statistics
Digital signal processing
Automation
Electronics

COMPUTER SKILLS

OOP in C#, C++, Java, J#
Web design in JSP, PHP, .NET
Advanced database systems
Computer networks
Advanced MATLAB, SPSS,
Labview, Python

SOCIAL SKILLS

Independent work
Cooperation in team projects
Responsibility
Adaptability and social sensitivity
Problem solving

LANGUAGES

Hungarian – Native speaker
German – C1
English – C1
Dutch – C1

REFERENCES AND AWARDS

Available on request

PROFESSIONAL SUMMARY

I am an innovation-driven professional with a combination of strong academic and industrial research, administrative and networking skills recently finished a self-written VLAIO industrial research project.

WORK EXPERIENCE

- 2011 –
- Vrije Universiteit Brussel, Belgium
- Research on modeling time-varying and nonlinear systems
 - (former) co-organizer/webmaster of ELEC Doctoral School
 - Teaching BRUFACE catch-up courses, control engineering
- 2017 –2019
- Siemens Industry Software NV, Leuven, Belgium
- Modeling nonlinear and time-varying systems
 - Design, prepare and execute vibro-acoustic experiments
 - Data analysis for complex industrial experiments
 - Seminars on selected topics of data-driven modeling
- 2008 – 2015
- Budapest University of Technology and Economics, Hungary
- Research on web data processing and system identification
 - Developer of the national bibliographic database (MTMT)
 - Teaching signal processing, OOP, measurement techniques
- 2006 – 2011
- ÉPTISZK Education Centre, Budapest, Hungary
- Teaching informatics, mathematics and physics for secondary school and adult education
 - Web-designer and database developer

EDUCATION

- 2010 - 2015
- Summa cum laude doctorates in data-driven modeling
Vrije Universiteit Brussel, Budapest University of Technology
- 2008 - 2010
- MSc. in Embedded Systems and Applied Informatics, diploma with honor, Budapest University of Technology and Economics
- 2005 - 2008
- BSc. in Technical Informatics, Budapest Tech
- 2005 - 2008
- Technical teacher, diploma with honor, Budapest Tech
- 2004 - 2007
- BEng in Electrical engineering, excellent diploma, Budapest Tech