

# 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  
English – C1  
Dutch – C1  
German – C1

## PROFESSIONAL SUMMARY

I am an innovation-driven professional with a strong combination of academic and industrial research, teaching, administrative and networking skills.

## WORK EXPERIENCE

- 2011 –
- Vrije Universiteit Brussel, Belgium
- Research on modeling of nonlinear and time-varying systems
  - Experiment design and measurements for physical systems (aerodynamics, thermodynamics, electrical systems)
  - Teaching engineering courses (DSP, control engineering)
  - Co-organizer/webmaster of ELEC Doctoral School
- 2017 –2019
- Siemens Industry Software NV, Leuven, Belgium
- Modeling nonlinear and time-varying mechanical 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)
- 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