

SHORT PROFESSIONAL CV

Name: Dr. Zoltán István Reguly, Born Budapest, 1986.11.27.

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Academic experience:

- 2026- Professor, Research Group Leader, Pázmány Péter Catholic University, Faculty of Information Technology and Bionics
- 2025- Vice-Dean for International Affairs, Pázmány Péter Catholic University, Faculty of Information Technology and Bionics
- 2020-2025 Associate Professor, Research Group Leader, Pázmány Péter Catholic University, Faculty of Information Technology and Bionics
- 2019- Honorary Associate Professor, University of Warwick
- 2015-2020 Assistant Professor, Research Group Leader, Pázmány Péter Catholic University, Faculty of Information Technology and Bionics
- 2012-2015 GPU Developer, Research Associate, Postdoctoral Research Associate, University of Oxford, Oxford e-Research Center

Industry experience:

- 2019- Founder, CTO, Cytocast
- 2012-2013 Intern, NVIDIA
- 2010 Software developer UStream Ltd.

Qualifications, degrees, certifications

- 2026 Full Professorship, Informatics, Pázmány Péter Catholic University, Faculty of Information Technology and Bionics
- 2025 Habilitation, Informatics, Pázmány Péter Catholic University, Faculty of Information Technology and Bionics
- 2014 PhD degree, Pázmány Péter Catholic University, Faculty of Information Technology and Bionics
- 2010 Certified Engineer in Computer Science, Pázmány Péter Catholic University, Faculty of Information Technology and Bionics

Funded research projects

- 2024-2027: Computing optimization of chains on heterogeneous architectures, NKFIH FK_23, 48M HUF
- 2022-2024: Life in a world of permanent COVID: optimal, precision epidemic management, MTA Post-COVID Phenomena Research Grant, HUF 24M
- 2017-2020: Locality and Work Distribution in Heterogeneous Simulations and Architectures, NKFIH PD_17, 15M HUF
- 2016-2019: High-performance and sustainable engineering simulations, MTA János Bolyai Research Scholarship, 4.5M HUF

University teaching experience

- Supervised the diploma/thesis of 29 MSc and BSc students
- Course owner: Parallel Programming (P-ITSZT-0048) PPKE ITK

- Course owner: Design Patterns (P-ITSZT-0040) PPKE ITK
- Course owner: Domain-Specific Languages in High Performance Computing (P-DO-0227) PPKE ITK
- Course owner: AI-based application development (BT-IMI-0060) PPKE BTK
- TDK supervision: supervisor of 12 award-winning theses
- Participation in the work of the Roska Tamás Doctoral School of the Pázmány Péter Catholic University as a supervisor

Supervision of PhD students

- Moises Hernandez-Fernandez, University of Oxford – graduation year 2018
- Dániel Gábor Balogh, PPKE ITK – graduation year 2025
- Bálint Siklósi, PPKE ITK – planned graduation year 2025
- Bence Keömley-Horváth, PPKE ITK – planned graduation year 2025
- Balázs Drávai, PPKE ITK – planned graduation year 2026
- Szabolcs Cselgő Kovács, PPKE ITK – planned graduation year 2028

Public activities, professional memberships

- Institute of Scientific Computing, member, 2023-
- OTDT Informatics Scientific Professional Committee, Member, 2023-
- MTA public body, Member, 2021-
- IEEE, Member, 2011-

Roles as journal reviewer and international conference program organizing committee membership:

Advances in Engineering Software, Computer Physics Communications, Journal of Parallel and Distributed Computing, PloS One, Soft computing, The Journal of Systems and Software, ACM Transactions on Mathematical Software, IEEE Transactions on Parallel and Distributed Computing, Concurrency and Computation: Practice and Experience, Future Generation Computer Systems, ACM International Conference on Supercomputing, International Conference for High Performance Computing, Networking, Storage, and Analysis (Supercomputing), International Workshop on OpenCL and SYCL, International Supercomputing Conference, European Conference on Parallel Processing

Participation in scientific qualification

- PhD defense opponent 2 times
- PhD defense committee member 2 times
- Secretary of the teacher habilitation process 2 times