

R&D projects

2014 *Load and performance testing in telecommunication processes*, R&D contract
Partner: Entel Engineering Research and Consulting Ltd.
Role: senior researcher

2012 *Root cause analysis from hardware logs*, R&D contract
Partner: iFlow IT Consulting Ltd. (Fornax group)
Role: senior researcher

2012-2014 *FIRST - Future Internet Research, Services and Technology*, R&D project
financed by TÁMOP 4.2.2/C grant, <http://first.tamop422.unideb.hu/>
Main partner: University of Debrecen, Inter-University Cooperative Research Centre
Role: scientific leader of Theme 4.2 A collaborative framework for data mining

2011-2012 *System log analysis*, R&D project granted by the Hungarian Research
and Technology Innovation Fund under the program GOP-2009-1.1.1, <http://kurt-security.com/about-us/palyazati-projektjeink/gop-1-1-1/> and <https://www.logdrill.hu>
Partner: KÜRT Information Management and Data Recovery Co.
Role: senior researcher

2011 *Equipment to examine stress responses in the area of law (Touchless
Infradiagnostic Polygraph System)*, R&D contract
Partner: HEXIUM Technical Development Co.
Role: senior researcher

2010-2012 *SCIIMS - Strategic crime and immigration information management
system*, EU FP7 Security project, <http://www.sciims.co.uk/>
Main partners: BAE Systems, Indra Sistemas
Role: senior researcher

2009-2011 *Data asset utilization*, R&D contract
Partner: AEGON Hungary General Insurance Plc.
Role: scientific leader

2008 *Designing diagnostic test*, R&D contract
Partner: GenOLD Molecular Diagnostic Laboratory
Role: project leader

2006-2008 *eScience Regional Knowledge Centre*, R&D project granted by the
Hungarian Research and Technology Innovation Fund, <http://www.escience.elte.hu/>
Role: scientific leader of theme *Dynamics of Networks*

2006-2008 *i-TRACS - Counter terrorism Identification and Advanced Tracking
System using the Analysis of Communication, Financial and Travel Data*, EU PASR
project, ftp://ftp.cordis.europa.eu/pub/fp7/security/docs/i-tracs_en.pdf
Main partners: BAE Systems, Thorpeglén, Privacy International, Pride S.p.A,
Role: senior researcher

2005-2007 *Data mining in telecommunication data warehouses*, R&D project
financed by GVOP AKF R&D grant

Partners: Budapest University of Technology and Economics, Magyar Telekom Plc.
Role: senior researcher

2005-2008 *ASTOR - Adaptive Security Tools for Operational Risk Mitigation*, R&D project granted by the Hungarian Research and Technology Innovation Fund (Jedlik 2/004/05)

Partners: Fornax Technical and Economic Consulting Plc., HEXIUM Technical Development Co., Budapest University of Technology and Economics, Budapest Stock Exchange

Role: senior researcher

2005-2007 *scrIN-SILICO - Finding Promising Drug Candidates Against Tuberculosis with Multidisciplinary Protocol Based Non-Conventional Search*, EU FP6 Health (No. 012127), http://ec.europa.eu/research/health/infectious-diseases/poverty-diseases/projects/106_en.htm

Main partners: Institute of Enzymology HAS, EMBL Hamburg Outstation, Combinature Biopharm AG

Role: senior researcher

2005 *Discovering communities and modelling churn*, R&D contract

Partner: Emitel Telecommunications Plc. (Magyar Telekom group)

Role: project leader

2004-2007 *Language Miner - Unsupervised learning of natural languages and their utilization in office environments*, R&D project granted by the Hungarian Research and Technology Innovation Fund (NKFP 2004)

Main partners: Research Institute for Linguistics HAS, Omega Consulting Ltd., Point Solution Computer Services Ltd.

Role: senior researcher

2004-2005 *Data mining in chemical databases*, R&D contract

Partner: Richter Gedeon Plc.

Role: project leader.

2004 *Analog – similarity search for multilingual web contents*, R&D project granted by IHM-ITEM program

Role: project leader

2003-2004 *Ranker - quality measurement of web contents*, R&D project granted by IHM-ITEM program

Role: project leader.

2002-2005 *Data Riddle - intelligent toolkit for data mining*, R&D project granted by the Hungarian Research and Technology Innovation Fund (NKFP-2/0017/2002)

Partners: Axelero Plc. (Magyar Telekom group), econet.hu Informatics Plc., Budapest University of Technology and Economics

Role: project leader

2000-2003 *Combinatorial Probability*, postdoctoral research project granted by Hungarian National Research, Development and Innovation Office (OTKA D34560)

Role: principal investigator

1996-1998 *A New Degree Course Programme: Applied Mathematics*, a TEMPUS project (No. S_JEP 11097-96), <http://www.cs.elte.hu/tempus/sjep11097/>
Partners: István Széchenyi College Győr, Montanuniversität Leoben, Technischen Universität Dresden, Queen Mary and Westfield College, Johannes Kepler Universität Linz
Role: contractor