

Curriculum vitae

of Csanád Imreh

1. Personal:

Born: 20 of May 1975 in Szeged, Hungary, married, 3 children.

2. Studies:

1993-98 Studies in Mathematics, University of Szeged,
1996-97 University of Utrecht, The Netherlands, TEMPUS scholarship (7692),
1998 M.Sc. degree in Mathematics, University of Szeged,
M.Sc. thesis "On a generalization of the Riemann-integral" (In Hungarian),
Advisor: Prof. Vilmos Totik,
2001 PhD degree in Mathematics, University of Szeged,
PhD. thesis „Combinatorial algorithms for the PNS and online scheduling problems”
Advisor: Prof. János Csirik.

3. Employment

1998, Research assistant, at the Stochastic Research Group of the Hungarian Academy of Science, Technical University Budapest, (6 months)

2001-2010, Assistant Professor, Institute of Informatics, University of Szeged.

2010-, Associate Professor, Head of Department of Algorithms and Artificial Intelligence, Institute of Informatics, University of Szeged

2010, consultant expert at System Science Innovation Centre PLC

2014, consultant expert at Prev-Audit Ltd

4. Research interest

Online and combinatorial optimization (mainly scheduling, packing problems), heuristics, directing words of automata.

5. Teaching experience

Teaching courses on algorithms and data structures, combinatorial optimization, online algorithms, operations research, scheduling models, randomized algorithms, traveling salesman and vehicle routing problems. Supervising more than 40 master thesis and more than 50 bachelor thesis. Supervising the following PhD theses:

- Tamás Németh: On-line lookahead and parameter learning algorithms for the data acknowledgment and scheduling problems, defended in 2014.

- Gabriella Divéki: Online algorithms for clustering problems, submitted

6. Visiting positions:

1998 visiting researcher at TU Graz, Institute of Mathematics B, (3 months)

1999 visiting researcher at TU Graz, Institute of Mathematics B. (3 months)
2001– 2002 postdoctoral fellowship at Max-Planck Institute Saarbrücken (1 year)
2007 visiting researcher at Kyoto Sangyo University, (1 month)
2008 visiting researcher at Kyoto Sangyo University, (1 month)
2012 Humboldt scholarship for experienced researchers at Humboldt University Berlin (6 months)

7. Awards:

1999: 1. Prize and the special award of AMFK at the National Scientific Conference of Students (OTDK),
1999: Patai László Foundation,
1999: Pro Scientia Gold Medal,
2000: Kalmár László Award.
2002: Farkas Gyula Memorial Award
2002-2005: Békéssy György postdoctoral fellowship
2009-2012: Bolyai János research scholarship from the Hungarian Academy of Science

8. Participation in research projects

OTKA (Hungarian Research Council) T022983, Weighted polynom inequalities, 1997–2000
FKFP 0008/1999, Process Network Synthesis (1999–2001)
OTKA T030074, Graph theoretical researches and applications (1999–2002)
OTKA T046405, Process Network Synthesis and Scheduling (2004–2007)
OTKA F048587, Online resource allocation problems (leader of the project) (2005–2008)
NKFP OM-00186, Online optimization of asset tracking and routing (2005–2007)
TÁMOP-4.2.2/08/1/2008-0008, Sensornetwork-based data collection and information processing (leader of the subproject online algorithms) 2009–2011.
TÁMOP-4.2.1-08/1/A-2009-0008 Curriculum development for Computer Engineers, Computer Program Designers and Computer Economists, (local coordinator) 2010–2011
TÁMOP-4.2.2.A-11/1/KONV-2012-0073, Telemedicine-focused research activities on the field of Mathematics, Informatics and Medical sciences (coordinator of the topic online clustering) 2012–2015.

9. Further activities

- ERASMUS coordinator of the Institute of Informatics at University of Szeged 2005–2009
- member of the executive board of the Hungarian Operations Research Society 2006–2011
- member of the executive board of the Association of Pro Scientia Gold Medal Winners 2006–2008
- secretary of the Council of Doctoral School of Computer Science of University of Szeged 2007–2011

- member of the Committee on Computer Science and Informatics of the Hungarian Academy of Science 2010–

- member of the Committee of Informatics of the National Council of Student Research Societies (OTDT) 2011–

- Managing editor of Acta Cybernetica 2010–

- member of the editorial board of Central European Journal of Operations Research 2011–

- referee for the journals ACM Transactions on Algorithms, ACM Transactions on Computer Systems, Acta Cybernetica, Acta Informatica, Annals of Operations Research, Central European Journal on Operations Research, Computing, Discrete Applied Mathematics, Discrete Optimization, European Journal of Operations Research, Information Processing Letters, International Journal of Foundations of Computer Science, Journal of Combinatorial Optimization, Journal of Scheduling, Mathematical Methods of Operations Research, Operations Research Letters, Optimization Letters, Theoretical Computer Science

- referee for the conferences SPAA 2002, ESA 2002, SODA 2003, SPAA 2003, DLT 2003, CIAA 2005, DLT 2005, WAOA 2006, FCT 2007, SWAT 2008, AFL 2008, CIAA 2008, STACS 2009, ESA 2010, EuroPar 2010, STACS 2011, STACS 2012, ESA 2012, ALGOSENSORS 2012, ICALP 2013, SPAA 2013, ESA 2013, WAOA 2013, MFCS 2014

referee of the Phd theses of: Tibor Holczinger (university of Veszprém 2004), Alpár Jüttner (ELTE, University of Budapest, 2007), István Heckl (University of Pannonia, 2007), József Tick (University of Pannonia, 2008) György Dósa (University of Szeged, 2008), Krisztina Erdélyi (ELTE, University of Budapest, 2012), Matthias Hellwig (Humboldt University, Berlin, 2013) Attila Benkő (University of Pannonia, 2014), Szilvia Varró-Gyapay (Technical University of Budapest 2015)