

Curriculum Vitae

Personal details

Name: Dr. András Hajdu
Born: February 6, 1973, Karcag, Hungary
Citizenship: Hungarian
Interests: Discrete Mathematics, Digital Image Processing

Scientific and educational degrees

2008. Habilitation, Faculty of Informatics, University of Debrecen, Debrecen, Hungary.
2003. PhD. with „summa cum laude” in Mathematics and Computer Sciences, University of Debrecen, Debrecen, Hungary.
1996. Master of Science in Mathematics, Teacher of Mathematics, English-Hungarian Special Translator, Lajos Kossuth University, Debrecen, Hungary.

Languages

English (advanced level), Russian (basic level)

Scientific appointments

2011- Head of Dept. of Computer Graphics and Image Processing, Faculty of Informatics, University of Debrecen, Debrecen, Hungary.
2010- Leader of the Bioinformatics Research Group, University of Debrecen, Debrecen, Hungary.
2010-2011. Vice Dean of Faculty of Informatics, University of Debrecen, Debrecen, Hungary.
2008- Associate Professor at the Dept. of Computer Graphics and Image Processing, Faculty of Informatics, University of Debrecen, Debrecen, Hungary.
2005-2006. Postdoctoral Researcher, Aristotle University of Thessaloniki, Thessaloniki, Greece.
2004- Assistant Professor at the Dept. of Information Technology, Faculty of Informatics, University of Debrecen, Debrecen, Hungary.
2001-2004. Assistant Lecturer at the Dept. of Information Technology, Institute of Informatics, University of Debrecen, Debrecen, Hungary.
2000-2001. Predoctoral fellowship at the Dept. of Information Technology, Institute of Informatics, University of Debrecen, Debrecen, Hungary.
1997-1999. Full time PhD student at the Institute of Mathematics and Informatics, University of Debrecen, Hungary.
1992-1996. Full time student at the Lajos Kossuth University, Debrecen, Hungary.

Scholarships and prizes

2016. „Tamás Rapcsák” Prize for Operation Research and Applied Mathematics, Dr. Tamás Rapcsák Fund.
2014. Best Publication of the Year (University of Debrecen), Hungary.
2012-2014. „János Szentágothai” grant for distinguished researchers of the Republic of Hungary
2012. IT Lecturer of the Year (VISZ, national prize), Hungary.
2009. Prize of the Faculty of Informatics, University of Debrecen, Hungary.
2008-2011. „János Bolyai” research scholarship of the Hungarian Academy of Sciences.
2004. „Gyula Farkas” prize of the János Bolyai Mathematical Society, Hungary.

- 2002-2003.** „Pro Regione” scholarship, University of Debrecen, Debrecen, Hungary.
1997. „Universitas” scholarship, Lajos Kossuth University, Debrecen, Hungary.

Research projects

2015-2018. VKSZ_14-1-2015-0072, SCOPIA: Development of diagnostic tools based on endoscope technology, role: project leader.

[2013. EU_KP_12-1-2013-0052, VISUTORS: Skálázható analitikai keretrendszer a vizualizáció heterogén gyorsítókkal való támogatásához, role: project leader.](#)

[2012-2014. TÁMOP-4.2.2.C-11/1/KONV-2012-0001, FIRST: Future Internet Research, Services and Technology, role: sub-project leader.](#)

2012-2015. OTKA, NK101680, Mathematical modelling of clinical observations for improved melanoma detection, role: senior researcher.

[2012-2013. HURO/1001/283/2.3.1, Cross border academic development of an image-based recommendation system for regional educational purposes, role: project leader.](#)

[2009-2011. TECH08-2 grant of the Hungarian National Office for Research and Technology \(NKTH\), DRSCREEN - Developing a computer-based image processing system for diabetic retinopathy screening, role: project leader.](#)

2004-2006. FP6-004218, SHARE: Mobile Support for Rescue Forces, Integrating Multiple Modes of Interaction, EU FP6 Information Society Technologies, role: scientific manager, AUTH leader: Ioannis Pitas.

2001-2004. IKTA-4 6/2001 grant of Hungarian Ministry of Education: MEDIP – Platform independent software system for medical image processing, role: participant.

2003-2006. OTKA F043090 grant of the Hungarian National Foundation for Scientific Research: Discrete methods in digital image processing, role: participant.

2000-2003. OTKA T032361 grant of the Hungarian National Foundation for Scientific Research: Mathematical modelling of economic and informatic systems, role: participant.

Memberships

2015- Hungarian Association for Image Analysis and Pattern Recognition, president.

2009-2014. Hungarian Association for Image Analysis and Pattern Recognition, Comittee member.

2008- IEEE, member.

2007-2009. Hungarian Association for Image Analysis and Pattern Recognition, secretary.

2003- Hungarian Academy of Sciences, public member.

2002- IAPR, member.

2002- Hungarian Association for Image Analysis and Pattern Recognition, member.

Refereeing

Computers in Biology and Medicine (Elsevier)

Discrete Applied Mathematics (Elsevier)

Discrete Mathematics (Elsevier)

Transactions on Image Processing (IEEE)

Transactions on Pattern Analysis and Machine Intelligence (IEEE)

Transactions on Signal Processing (IEEE)

Transactions on Medical Imaging (IEEE)

Transactions on Biomedical Engineering (IEEE)

Machine Vision and Applications (Springer)

Pattern Recognition Letters (Elsevier)

Signal Processing (Elsevier)

Teaching Mathematics and Computer Science (University of Debrecen, Hungary)

Image Processing (IET)

Conferences:

ISSPA 2005, ISSPA 2007, ICSPC 2007, SITIS'10, MCS2011, SITIS 2011, HAIS 2012, CBMI 2013, ISPA 2013, VISAPP 2013, ISBI 2014, ISBI2015.

Teaching

Seminar on Big Data
Seminar on Collaborative Project Work
Lectures and seminars on Programming
Lectures and seminars on Bioinformatics
Seminars on Theoretical Informatics
Lectures and seminars on Digital Image Processing
Supervising Thesis Writing
Supervising TDK-Thesis Writing
Supervising Summer School Students

Conferences

2015. ISPA 2015 - IEEE-EURASIP 9th Int'l Symposium on Image and Signal Processing and Analysis, Edinburgh, Scotland, UK, Session Organizer.
2014. CogInfoCom 2014, 5th IEEE International Conference on Cognitive Infocommunications, Vietri sul Mare, Italy, Track Organizer.
2013. ISPA 2013 - IEEE-EURASIP 8th Int'l Symposium on Image and Signal Processing and Analysis, Trieste, Italy, Session Organizer.
2013. CogInfoCom 2013, 4th IEEE International Conference on Cognitive Infocommunications, Budapest, Hungary, Session Organizer.
2012. CogInfoCom 2012, 3rd IEEE International Conference on Cognitive Infocommunications, Kosice, Slovakia, Session Organizer.
2011. Summer School on Image Processing 2011, Veszprem, Hungary, Invited Lecturer.
2011. 12th Symposium on Programming Languages and Software Tools - SPLST'11, Tallin, Estonia, Invited Lecturer.
2011. Summer School on Image Processing 2011, Szeged, Hungary, Invited Lecturer.
2010. ICAI 2010 - 8th International Conference on Applied, Eger, Hungary, Invited Lecturer.
2008. Institute of Informatics, University of Szeged, Szeged, Hungary, Invited Lecturer.
2007. Sampling Theory and Applications, SampTA07, Thessaloniki, Greece, Invited Lecturer.
2007. Fourth Hungarian Conference on Computer Graphics and Geometry, Budapest, Hungary, Chairman.
2007. 6th Conference of Hungarian Association for Image Processing and Pattern Recognition, Debrecen, Hungary, Editor/Organizer.
2003. Summer School on Image Processing 2003, Timisoara, Romania, Invited Lecturer.
2001. Summer School on Image Processing 2001, Szeged, Hungary, Invited Lecturer.
1998. Summer School on Image Processing'98, Debrecen, Hungary, Organizer.