Curriculum Vitae

Personal information

Dr. Habil. Gál, Zoltán

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Citizenship: Hungarian

Gender: man

Work experience

2018 -	associate professor (IT education/research) University of Debrecen, Faculty of Informatics H-4028 Debrecen, Kassai str. 26.
2016 - 2018	assistant professor (IT education/research) University of Debrecen, Faculty of Informatics H-4028 Debrecen, Kassai str. 26.
2015 -	head (HPC management) University of Debrecen, Center of High Performance Computing H-4028 Debrecen, Kassai str. 26.
2006 - 2015	director (IT management) University of Debrecen, CAHS, Center of Informatics Technology H-4032 Debrecen, Egyetem sqr. 1.
2001 - 2005	director (IT management) University of Debrecen, Center of Informatics Services H-4032 Debrecen, Egyetem sqr. 1.
1993 - 2000	head of division (IT management) University Lajos Kossuth, Center of Informatics Services H-4032 Debrecen, Egyetem sqr. 1.
2001 - 2016	lecturer (IT education/research) University of Debrecen, Faculty of Informatics H-4028 Debrecen, Kassai str. 26.
1991 - 2000	lecturer (IT education/research) University Lajos Kossuth, Institute of Informatics, H-4032 Debrecen, Egyetem tér 1.
1991 - 1993	IT engineer University Lajos Kossuth, Center of Informatics Services H-4032 Debrecen, Egyetem sqr. 1.

Education

2018	PhD. Habil (informatics sciences) University of Debrecen, Faculty of Informatics H-4028 Debrecen, Kassai út 26.
2007 - 2010	PhD (infocommunication, informatics) University of Debrecen, Faculty of Informatics H-4028 Debrecen, Kassai út 26.
2006 - 2010	lecturer level (Cisco Certified Network Professional: CCNP) Óbuda University, H-1034 Budapest, Bécsi str. 96/B

1999 - 2006	lecturer level (Cisco Certified Network Associate: CCNA)
	Óbuda University,
	H-1034 Budapest, Bécsi str. 96/B
1994 - 1997	PhD (pre-degree, infocommunication, informatics, electronics)
	Budapest University of Technology and Economics, Fac. of Electrical Eng. and Informatics
	H-1111 Budapest, Műegyetem rkp. 3-9.
	MSc. (engineer in informatics and electronics)
1985 - 1990	Politehnica University of Timisoara, Faculty of Automatics and Computers,
	RO-300223 Timisoara, Vasile Parvan str. 2.

Teaching at university

1991 -	Computer architectures (HU, 1 semester)
2001 -	Programming of Cisco network devices (HU, 4 semesters)
2006 -	High speed local and metropolitan area networks (HU, 1 semester)
2010 -	New directions in the hardware development (HU, 1 semester)
2011 -	IP communication networks and systems (HU, 1 semester)
2011 -	High speed local and metropolitan area networks (EN, 1 semester)
2012 -	Multimedia networks (HU, 1 semester)
2016 -	Computer networks architectures (HU, 1 semester)

Research topics

Real time communication (RTC) on Wireless Broadband Networks (WiBB)

Multimedia communication (MMC)

Statistical analysis of high speed packet switching (HSPS)

Sensor networks (SN), Internet of Things (IoT)

Distributed computer systems (DCS)

Parallel computer architectures (PCA)

Parallel computing (PC)

Scientific activity in informatics

Refereed journal papers: 12

Refereed conference papers, book chapters, books: 35

Conference papers: 51

Conference lectures: 73 (HU), 43 (EN)

Thesis supervision: 19 people

Detailed publication list: http://dragon.unideb.hu/~zgal/GZ_publikaciok_en.htm

IT scientific projects

2018 - 2019	2018/FEKUTSTRAT
	(Big Data, HPC innovative solutions)
2012 - 2014	TÁMOP-4.2.2.C-11/1/KONV-2012-0001
	(FIRST: Future Internet Research, Science and Technology)
2012 - 2014	TÁMOP-4.2.2.C-11/1/KONV-2012-0010
	(HPC-NVL: High Performance Computing, National Virtual Laboratory)
2011 -2013	TÁMOP-4.1.2.A/1-11/1-2011-0063
	(Multiprocessor systems in the engineering practice)

IT system projects

2011 - 2014	HURO/1101 international project (20 Gb/s firewall, 200 WiFi AP, IP streaming)
2010 -	Supervision of High Performance Computing system at the University of Debrecen
2010 - 2012	HURO/0901 international project (multimedia and streaming studio development, interior and exterior WiFi system: 250 AP)

2009 - 2010	Development of High Performance Computing Centre at the University of Debrecen
2009 - 2012	HURO/0802 international project (VPN; interior WiFi system: 150 AP)
2004 - 2008	Development and supervision of the IP telephony and VoIP system at the University of Debrecen
2006 - 2007	HEFOP 4.1.2 project (GE / 10 GE network development of the University of Debrecen)
2001 - 2005	Galvanic and optical structured network development and supervision of the University of Debrecen
2001 - 2004	Design of the Debrecen Communication and Internet eXchange (DCIX)
1997 - 1999	Development and management of the ATM backbone network at the Debrecen Universitas Association
1994 - 1998	Management of the optical and FDDI network of the Debrecen Universitas Association
1992 - 1999	Design, development, Internet integration and management of the Lajos Kossuth University local area network
1991 - 1992	Design, development and management of the Lajos Kossuth University BITNET/EARN/Internet mail system

IT project contacts

Cisco Systems, Co. (active network devices, technologies)

Siemens Rt. (mobile communication)

Alcatel-Lucent, Co. (optical networks, technologies)

Languages

Mother tongues   Hungarian

Other languages

	Understanding		Speaking		Writing
	Listening	reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Romanian	C2	C2	C2	C2	C2
French	A1	A1	A1	A1	-

Memberships

2015 -	Institute of Electrical and Electronic Engineering (IEEE), Internet of Things (IoT) Society member
2013 - 2014	Internet of Things European Research Cluster (IERC), national representative
2005 - 2014	HUNGARNET, presidency member
2005 - 2016	National Informatics Infrastructure Development Program (NIIDP), Ethical Committee member
2002 - 2016	National Informatics Infrastructure Development Program (NIIDP), Networkshop Conference, Program Committee member
2001 - 2016	National Informatics Infrastructure Development Program (NIIDP), Technology Committee member
1999 -	Cisco Network Academy Program, registered CCNA/CCNP lecturer
1998 -	Institute of Electrical and Electronic Engineering (IEEE), Communication Society member

Personal skills

Computer skills and competences   Programming, Networks, Software tools

Driving license   Category B (1986)