

Curriculum Vitae

Dr. habil. Gábor Lencse



Education

- 1989 – 1994 5 year Master course, Technical University of Budapest, Faculty of Electrical Engineering and Informatics, Master of Engineering degree in information technology with excellent qualification
- 1994 **guest student**, Dept. of Technical Informatics, Delft University of Technology, Delft, Netherlands (one month)
- 1994 – 1997 PhD student, Doctoral School of Informatics, Technical University of Budapest (Department of Telecommunications)
- 2001 Budapest University of Technology and Economics, **PhD** awarded, cum laude

Professional milestones, positions, employers

- 1997 – 1999 assistant lecturer (college), Department of Telecommunications, Széchenyi István College
- 1998 – 2008 participant, research projects of Ellassys Consulting Ltd.
- 1999 – 2001 senior lecturer (college), Department of Telecommunications, Széchenyi István College
- 2001 – 2002 associate professor (college), Department of Telecommunications, Széchenyi István College
- 2001 – 2007 member, Library Council, Széchenyi István University
- 2002 – 2019 **associate professor (university)**, Department of Telecommunications, **Széchenyi István University**
- 2002 – 2009 head of specialization, *information and communication technology specialization*, Electrical Engineering, Széchenyi István University
- 2003 – 2004 lecturer, at Révkomárom, BSc in Information Technology, organized by BUTE
- 2005 – **senior research fellow**, part time (50%), **Dept. of Networked Systems and Services, Budapest University of Technology and Economics**
- 2006 – lecturer, Doctoral School of Multidisciplinary Engineering Sciences, Széchenyi István University
- 2007 – 2014 responsible for quality control issues, Department of Telecommunications, Széchenyi István University
- 2009 – head of specialization, *info-communication specialisation*, Electrical Engineering, Széchenyi István University
- 2011 – **supervisor**, Doctoral School of Multidisciplinary Engineering Sciences, Széchenyi István University

- 2013 **habilitation**, Multidisciplinary Doctoral School of Engineering Sciences, Széchenyi István University
- 2015 – **core member**, Doctoral School of Multidisciplinary Engineering Sciences, Széchenyi István University
- 2015 Publishing a book about IPv6 transition technologies (with two co-authors)
- 2017 **guest researcher, Laboratory for Cyber Resilience, Nara Institute of Science and Technology, Japan** (June 15. – December 15.)
- 2018 – editor, Acta Technica Jaurinensis <https://acta.sze.hu/index.php/acta/profile/id62>
- 2019 – **professor (university)**, Department of Telecommunications, **Széchenyi István University**
- 2019 **guest researcher, IIJ Innovation Institute, Tokyo, Japan** (April 2. – July 2.)

Research Grants and R&D contracts

- 1998 individual applicant, Felsőoktatási Programfinanszírozási Pályázat (name of the research grant for Hungarian higher education), *“Investigation of the Output Interface Algorithms of the Statistical Synchronisation Method”*
- 2001 – 2002 project leader, 2000/B MEH-IKB grant, establishing the *Info-communications Education and Research Laboratory* of the Dept. of Telecommunications, Széchenyi István University
- 2011 – 2012 **project leader, R&D project of the Dept. of Telecommunications for Telenor Hungary Zrt. titled: “IPv6 deployment strategy for Telenor Hungary”**
- 2012 project leader, research project financed by the Multidisciplinary Doctoral School of Engineering Sciences, Széchenyi István University, titled: *“Investigation of the Fault Tolerance of IP Multicast Routing Protocols”*
- 2012 project leader, research project financed by the Multidisciplinary Doctoral School of Engineering Sciences, Széchenyi István University, titled: *“Creation and Performance Analysis of a Heterogeneous Computing Environment”*
- 2012 – 2014 participant, research project *TÁMOP-4.2.2.C-11/1/KONV-2012-0012: “Smarter Transport” – IT for co-operative transport*, investigation of IPv6 transition technologies.
- 2021 – 2022 **project leader, research project financed by the Digital Development Center, Széchenyi István University, titled: “Research on RFC 8219 Compliant Network Testers for the 464XLAT IPv6 Transition Technology”**

Scholarships

- 1997 – 1998 scholarship of UNIVERSITAS – GYŐR Foundation for finishing my PhD (1 year)
- 2001 – 2002 Postdoctoral scholarship of the UNIVERSITAS – GYŐR Foundation (1 year)

- 2002 – 2005 **János Bolyai Research Grant, Hungarian Academy of Sciences (3 years)**
- 2017 **Rank „A” Foreign Guest Researcher grant, NICT (National Institute of Information and Communications Technology), Japan, 6 months**
- 2019 **Rank „B” Japan Trust International Research Cooperation Program, NICT (National Institute of Information and Communications Technology), Japan, 3 months**

Awards

- 2001 **Publication award** (journal paper), Scientific Council of the Széchenyi István College, G. Lencse, “Traffic-Flow Analysis for Fast Performance Estimation of Communication Systems”, *Journal of Computing and Information Technology*, vol. 9, no. 1, (March 2001.) pp. 15-27.
- 2013 **Publication award** (conference paper), Scientific Council of the Széchenyi István University, G. Lencse and S. Répás, “Performance Analysis and Comparison of Different DNS64 Implementations for Linux, OpenBSD and FreeBSD”, *Proc. IEEE 27th International Conference on Advanced Information Networking and Applications (AINA 2013)*, (Barcelona, Spain, March 25-28, 2013.) IEEE Computer Society, pp. 877-884. DOI: 10.1109/AINA.2013.80

Participation in the International and Domestic Scientific Events and Societies

I delivered conferences lectures in the following towns (from 1995 to 2015 in the following order): Prague, Passau, San Diego, Nottingham, San Francisco, San Diego (second time), Berlin, Paris, Porto, Toulouse, Delft, Malta, Le Havre, Budapest, Essen, Rome, and finally Prague again. Many times, I also served as session chair, too.

I served as a General Conference Chair of the *2010 Industrial Simulation Conference* of EUROSIS and also lead round-table discussion. For more information on the conference, see: <http://www.eurosis.org/cms/?q=node/1102>

I am currently a member of:

- IECE (Institute of Electronics, Information and Communication Engineers), Japan

I was a member of the following organisations for several years:

- IEEE Hungary Section, IEEE Communications Society, IEEE Computer Society
- Society for Computer Simulation
- HTE (was also a secretary of the local organisation in Győr)

Education

My current subjects:

- Computer Networks (SZIU, GKNB_TATM004)
- Networking Operating Systems (SZIU, GKNB_TATM011)
- Performance Analysis of ICT Systems (SZIU, NGD_MDAA64_1)
- Computer Architectures (BUTE, BMEVIHIAA02, in English)
- Communication Networks_1 (BUTE, BMEVIHIAB01, partially)

My earlier subjects:

- IP-based Telecommunications (SZIU, NGM_TA011_1)
- Computer Architectures (SZIU, NGM_TA009_1)
- Networking Protocols (SZIU, NGB_TA027_1)
- Network Security (SZIU, NGB_TA028_1)
- Programming of Communication Systems (SZIU, ta67)
- Computer Networks (BUTE, BMEVIHIA215, partially)
- Media Communication Networks (BUTE, BMEVIHIM161)
- Digital Design I-II. (BUTE,)
- Measurement Laboratory 4 (BUTE,)
- Computer Laboratory I. and III. (Révkomárom, BUTE curriculum)

PhD Students

- László Muka (BUTE): successful defence in 2011.
- István Derka (SZIU, 50%): successful defence in 2016.
- Sándor Répás (SZIU): successful defence in 2018.
- Ákos Kovács (SZIU, currently a PhD candidate)
- Ameen Al-Azzawi (BUTE, from 2019.)
- Omar D'yab (BUTE, from 2019)
- Ahmed Al-hamadani BUTE, from 2020.)
- Naseer A. Jabbar (SZIU, from 2021.)

Important links

Publications in MTMT:

<https://m2.mtmt.hu/api/publication?cond=authors;in;10026700&&page=1&labelLang=eng>

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=6508061114>

Google Scholar: <https://scholar.google.com/citations?hl=en&user=bBgB068AAAAJ>

Publons: <https://publons.com/researcher/3798394/gabor-lencse/>

Hungarian Doctoral Council:

https://doktori.hu/index.php?menuid=192&sz_ID=3969&lang=EN

Győr, July 4, 2022. Dr. Gábor Lencse