

# Curriculum Vitae

## Rolland VIDA, PhD

Budapest University of Technology and Economics (BME)  
Faculty of Electrical Engineering and Informatics  
Department of Telecommunications and Media Informatics (TMIT)  
Magyar tudosok krt. 2, Room I/E325, 1117, Budapest, Hungary  
Phone: +36 1 463 11 02. E-mail: [vida@tmit.bme.hu](mailto:vida@tmit.bme.hu)



## Work & Education

MSc in Computer Science as valedictorian at Babes-Bolyai University Cluj Napoca, Romania in 1997, and my PhD degree in Computer Networks at the Université Pierre et Marie Curie (UPMC), Paris, France, in 2002. Since 2003 I work at the Department of Telecommunications and Media Informatics of the Budapest University of Technology and Economic, Hungary, where I am currently associate professor. Between 2003 and 2006 I was awarded the Békésy György Postdoctoral Fellowship of the Hungarian Ministry of Education, while between 2010 and 2013 I obtained the Bolyai Research Fellowship of the Hungarian Academy of Sciences.

## Teaching & Research Activities

In recent years, I taught several courses on topics such as "Sensor Networks and Applications", "Convergent Networks and Services", "Networking Technologies and Applications", "Access Networks", "Small Office, Home Office (SOHO) Networks", "Peer-to-Peer Networks", "Computer Algorithms" or "Computer Architecture & Operating Systems", at universities in Hungary, Romania and Slovakia. I am the head of the Smart Cities E.Eng. MSc specialization since 2015.

My research interests are related to wireless sensor networks, wireless ad hoc networks, vehicular networking, peer-to-peer networks, multicast communication, Internet of Things, smart cities, etc. In the last few years I was involved in several European and national Hungarian research projects, many of them related to sensor networks and IoT:

- Future Internet of Things - FITTING EIT ICTLabs
- COST IC0806 IntelliCIS - Intelligent Monitoring, Control and Security of Critical Infrastructure Systems
- FP7 EFIPSANS - Exposing the Features in IPv6 for designing/building Autonomic Networks and Services
- COST 295 Dynamo - Dynamic Communication Networks
- FP6 Phoenix - Jointly optimising multimedia transmissions in IP based wireless networks
- FP6 E-Next - Emerging Networking Experiments and Technologies Network of Excellence
- FP5 OverDrive - Spectrum Efficient Uni- & Multicast Services Over Dynamic Multi-Radio Networks in Vehicular Environments
- FP5 GCAP - Global Communication Architecture & Protocols for New QoS Services Over IPv6 Networks
- FP5 RTIPA - Real Time Internet Platform Architectures
- COST 264 NGC - Enabling Networked Multimedia Group Communication

I am also the coordinator of Innovation and Entrepreneurship (I&E) activities of the EIT Digital Doctoral Training Center at BME.

I published more than 80 scientific research papers, nearly half of them on wireless sensors networks and Internet of Things. According to Google Scholar I have more than 1300 citations, and my h-index is 13. I actively participated in several IETF working groups, and I am the first author of the IETF RFC 3810 standard that describes the MLDv2 protocol, a basic component of the IPv6 protocol suite.

## Community Service

- Since 2017 – Member of the Steering Committee, IEEE Internet of Things Journal
- Since 2016 – Editor-in-Chief, Infocommunications Journal, edited by HTE, a sister society of IEEE Communications Society
- Since 2015 – Administrative Committee of IEEE Sensors Council, representative of the IEEE Vehicular Technology Society
- Since 2014 – Operations Manager, Globecom/ICC Management & Strategy Committee, IEEE Communications Society
- Since 2009 – Head of International Affairs, Scientific Association for Infocommunications, Hungary (HTE)
- Conference Operations Chair - IEEE ICC 2013 (Budapest), EUSIPCO 2016 (Budapest)
- Executive Committee Member – IEEE Globecom 2015 (San Diego), IEEE Globecom 2018 (Abu Dhabi)
- Workshop Co-Chair - PWSN 2011, 3rd Int'l Workshop on Performance Control in Wireless Sensor Networks (Barcelona)
- Workshop Co-Chair - PWSN 2007, 2nd Int'l Workshop on Performance Control in Wireless Sensor Networks (Austin, TX)
- TPC Member – EWSN 2010, European Conference on Wireless Sensor Networks (Coimbra)
- Involved in the organizing committee of many other scientific conferences, in different positions: Tutorial Co-Chair (IEEE HPSR 2015), Track Chair (IFIP Wireless Days 2013), Local Arrangements Chair (IEEE VTC 2009), TPC Member (IEEE HPSR 2017, GII 2013, IEEE WCNC 2012, IFIP WD 2011, GII 2011, IFIP WD 2010, IEEE ICC 2010, IEEE Infocom 2005, etc.), Publicity Chair (Networks 2008, MSAN 2005).

I also served as a reviewer for journals such as IEEE Transactions on Mobile Computing, IEEE Transactions on Parallel and Distributed Systems, IEEE Journal on Selected Areas in Communications, IEEE Wireless Communications Magazine, or Telecommunication Systems, Springer.

## Miscellaneous

I read, write and speak fluently in English, French, Romanian and Hungarian. I am married and I have two wonderful daughters.