

Péter Gáspár received both the M.Sc. and Ph.D. degrees from the Budapest University of Technology and Economics (BME), Faculty of Transportation Engineering and Vehicle Engineering (KJK) in 1985 and 1997, respectively, and the D.Sc. degree in control from the Hungarian Academy of Sciences (MTA) in 2007. In 2014 he received the MTA Academic Award. Since 2016 he has been a Corresponding member of the MTA.

Since 1990 he has been a senior research fellow at the Institute for Computer Science and Control (SZTAKI) and since 2016 he has been a Research Professor. In 2004 he became the head of the Vehicle Dynamics and Control Research Group and then in 2017 he became the head of the Systems and Control Laboratory, SZTAKI. He was habilitated at the BME in 2008 and he was appointed University professor. Since 2013 he has been the head at the Department of Control for Transportation and Vehicle Systems (KJIT), BME KJK.

He has played a leading role in several research and development projects, some of which are listed below: partially automated vehicle platforms with safety and economy features; design of fleet management systems for commercial vehicles; driver assistance distributed systems for commercial vehicle platforms; the development of intelligent adaptive speed control considering road and traffic conditions; variable geometry suspension mechanisms and control design; research into artificial intelligence in the field of future mobility. He has also participated in several industrial projects, some of which are listed below: the development of a diagnostic system for reactors and primary loops; control design and implementation of an industrial pressurizer in a nuclear power plant; the development of a safety, driver assistance, reliability, energy efficiency and environmental awareness project.

He has been teaching at BME for 20 years. He is a lecturer of the Control Theory M.Sc., developer and lecturer on the subjects of Control Theory and System Dynamics M.Sc., Discrete Control Theory M.Sc. and Vehicle Control B.Sc. He is responsible for the Autonomous Vehicle Control Engineering M.Sc. and he has also led the detailed elaboration of its topics. He leads the project 'Talent management and research supply in the field of vehicle control technologies'. He is a member of a Scientific Council of BME. He is Head of the BME Kandó Kálmán Doctoral School. He is a member of the University and Habilitation Committee of BME. Four of his students have obtained PhD degrees.

He is also chair of the IFAC (International Federation of Automatic Control) Hungary National Member Organization, member of the IFAC Automotive Control and Transportation Systems Technical Committees. He is a member of the Advisory Board of the János Bolyai Research Fellowship of the MTA.

He is a member of the Scientific Committee for Automation and Computer Science and the Committee for Transport and Vehicle Systems of the MTA. He has organized several conferences as a member of the International Program Committee. Member of the Editorial Board of international journals including International Journal Vehicle Systems Modeling and Testing, MDPI Energies, MDPI Vehicles.

He is a co-author of 4 monographs on systems and control theory and vehicle control and the co-author of 7 university textbooks. He has 142 journal papers, 4 book chapters and 294 papers in conference proceedings with more than 1800 citations. His research interests

include linear and nonlinear systems, robust control, multi-objective control, system identification, identification for control and artificial methods. His research and industrial works have involved mechanical systems, vehicle structures and vehicle dynamics and control.

Since 2019 he has been a member of the Steering Committee of Eötvös Loránd Research Network (ELKH).