About the Editors

Constantinos Antoniou is a full professor: Chair of Transportation Systems Engineering at the Technical University of Munich (TUM), Germany. He holds a Diploma in Civil Engineering from NTUA (1995), an MS in Transportation (1997), and a PhD in Transportation Systems (2004), both from MIT. His research focuses on big data analytics, modeling and simulation of transportation systems, intelligent transport systems (ITS), calibration and optimization applications, road safety, and sustainable transport systems. In his more than 20 years of experience he has held key positions in a number of research projects in Europe, the United States, and Asia, while he has also participated in a number of consulting projects. He has received numerous awards, including the 2011 IEEE ITS Outstanding Application Award. He has authored more than 300 scientific publications, including more than 100 papers in international, peer-reviewed journals (including Transportation Research Parts A and C, Transport Policy, Accident Analysis and Prevention, and Transport Geography), 210 in international conference proceedings, 2 books, and 17 book chapters. He is a member of several professional and scientific organizations' editorial boards (he is a member of the Editorial Board of Transportation Research—Part C, Accident Analysis and Prevention, the Journal of Intelligent Transportation Systems, Smart Cities and associate editor of the EURO Journal of Transportation and Logistics, IET Intelligent Transportation Systems and Transportation Letters); committees (such as TRB committees AHB45—Traffic Flow Theory and Characteristics, and ABJ70—Artificial Intelligence and Advanced Computing Applications, the Steering Committee of hEART—The European Association for Research in Transportation, FGSV committee 3.10 "Theoretical fundamentals of road traffic"); and a frequent reviewer for a large number of scientific journals, scientific conferences, research proposals, and scholarships.

Loukas Dimitriou is an assistant professor in the Department of Civil and Environmental Engineering, University of Cyprus (UCY), Cyprus, and founder and head of the LαB for Transport Engineering, UCY. His research interests focus on the application of advanced computational intelligence methods, concepts, and techniques for understanding the complex phenomena involved in realistic transport systems and also in developing design and control strategies to optimize their performance. The methodological paradigms that he utilizes, combine elements from Data Science, behavioral analytics, complex systems modeling, and advanced optimization, which are then applied in traditional fields of transport, such as demand modeling, travel behavior and systems organization, optimization and control. He has authored more than 120 publications in peer-reviewed journals, proceedings of conferences, and book chapters, while he is a regular reviewer in almost 50 international journals. He is also an active member of many international scientific organizations and committees.

Francisco Pereira has been a full professor at the Technical University of Denmark (DTU), Kongens Lyngby, Denmark, since August 2015, where he leads the Machine Learning for Mobility (MLM) group. He holds a masters (2000) and PhD (2005) degree in Computer Science and Artificial Intelligence, from the University of Coimbra (UC), Portugal. Previously, he was an assistant professor at UC, Department of Computer Engineering, and then senior research scientist at the MIT ITS Lab, with particular focus on the Singapore-MIT Alliance for Research and Technology, Future Urban Mobility project (SMART/FM).

His methodological research combines Machine Learning and Transportation Research, and his preferred applications generally relate to transportation research problems, such as real-time traffic prediction, behavior modeling, advanced data collection technologies, and transport modeling. He has contributed to top journals and conferences in both Machine Learning (e.g., IEEE Transactions on Pattern Analysis and Machine Intelligence, or AAAI) and

Transportation (e.g., Transport Research Part C, ISTTT), and thus lives constantly with his feet in both worlds, which he believes constantly gives him a different perspective, despite the hard challenges. He is currently associate editor of Engineering Applications of AI (EAAI, Elsevier), a committee member of TRB ADB40 (travel demand forecasting), and has been guest editor in Transport Part C. He has been a Marie Curie fellow twice (2011 and 2015), and won several international awards, such as the Singapore Challenge 2013 (for a white paper on the future of transportation) and the TRB Pyke Johnson Award (for smartphone-based travel survey research).