**Biography**

Dr. Babak Nahid-Mobarakeh received the Ph.D. degree in electrical engineering from the Institut National Polytechnique de Lorraine, Nancy, France, in 2001. From 2001 to 2006, he was with the Centre de Robotique, Electrotechnique et Automatique, University of Picardie, Amiens, France. In September 2006, he joined the Ecole Nationale Superieured’Electricite et de Mecanique, University of Lorraine, Nancy, where he was a Professor until December 2019. Since January 2020, he has been a Professor with McMaster University, Hamilton, ON, Canada. Dr. Nahid-Mobarakeh has authored or co-authored more than 250 international peer reviewed journal and conference papers as well as several book chapters and patents. His main research interests include nonlinear and robust control design of power converters and drives, fault detection and fault tolerant control of electric systems, and design, control, and stabilization of microgrids. Dr. Nahid-Mobarakeh is the recipient of several IEEE awards. He was the General Chair of the 2020 IEEE Transportation Electrification Conference and Expo. Between 2012 and 2019, he served as the Secretary, Vice Chair, Chair, and Past Chair of the Industrial Automation and Control Committee (IACC) of the IEEE Industry Applications Society (IAS). He was also the IACC Committee Administrator and Technical Committee Paper Review Chair of the IEEE IAS. Currently, he is the Vice Chair of the IEEE Power Electronics Society Technical Committee on Electrified Transportation Systems. He is also a member of the Power Electronics and Motion Control (PEMC) Council. Dr. Nahid-Mobarakeh is an IEEE Fellow.