

## **Biography**

Ali Emadi (IEEE S'98-M'00-SM'03-F'13) received the B.S. and M.S. degrees in electrical engineering with highest distinction from Sharif University of Technology, Tehran, Iran, in 1995 and 1997, respectively, and the Ph.D. degree in electrical engineering from Texas A&M University, College Station, TX, USA, in 2000. He is the Canada Excellence Research Chair Laureate at McMaster University in Hamilton, Ontario, Canada. He is also the holder of the NSERC/FCA Industrial Research Chair in Electrified Powertrains and Tier I Canada Research Chair in Transportation Electrification and Smart Mobility. Before joining McMaster University, Dr. Emadi was the Harris Perlstein Endowed Chair Professor of Engineering and Director of the Electric Power and Power Electronics Center and Grainger Laboratories at Illinois Institute of Technology in Chicago, where he established research and teaching facilities as well as courses in power electronics, motor drives, and vehicular power systems. He was the Founder, Chairman, and President of Hybrid Electric Vehicle Technologies, Inc. (HEVT) – a university spin-off company of Illinois Tech. Dr. Emadi has been the recipient of numerous awards and recognitions. He was the advisor for the Formula Hybrid Teams at Illinois Tech and McMaster University, which won the GM Best Engineered Hybrid System Award at the 2010, 2013, and 2015 competitions. He is the principal author/coauthor of over 450 journal and conference papers as well as several books including Vehicular Electric Power Systems (2003), Energy Efficient Electric Motors (2004), Uninterruptible Power Supplies and Active Filters (2004), Modern Electric, Hybrid Electric, and Fuel Cell Vehicles (2nd ed, 2009), and Integrated Power Electronic Converters and Digital Control (2009). He is also the editor of the Handbook of Automotive Power Electronics and Motor Drives (2005) and Advanced Electric Drive Vehicles (2014). He is the co-editor of the Switched Reluctance Motor Drives (2018). Dr. Emadi was the Inaugural General Chair of the 2012 IEEE Transportation Electrification Conference and Expo (ITEC) and has chaired several IEEE and SAE conferences in the areas of vehicle power and propulsion. He is the founding Editor-in-Chief of the IEEE Transactions on Transportation Electrification.