Hamid Reza Baghaee (SM' 2008, M' 2017) received his Ph.D. degree in Electrical Engineering from Amirkabir University Technology (AUT) in 2017. From 2007 to 2017, he was a teaching and research assistant in the department of electrical engineering of AUT. He is the author of two books, three published book chapters, 80 ISI-ranked journal papers (mostly in IEEE, IET, and Elsevier journals), 55 conference papers, and the owner of a registered patent. In November 2021, his book entitled "Microgrids and Methods of Analysis" was selected by the Technical Committee of Iran Ministry of Energy (MOE) as the "Best Book of the year in Power and Energy Industry." He has many HOT and HIGHLY-CITED papers among his journal papers, based on SciVal and Web of Science statistics. His special fields of interest are micro and smart grids, cyber-physical systems, application of power electronics in power systems, distributed generation, and renewable energy resources, FACTS CUSTOM Power devices and HVDC systems, power system operation and control, real-time simulation of power systems, microgrids, and power electronic converters, and application of artificial intelligence in power systems.

Dr. Baghaee is also the winner of four national and international prizes, as the best dissertation award, from the Iranian scientific organization of smart grids (ISOSG) in December 2017, Iranian energy association (IEA) in February 2018, AUT in December 2018, and IEEE Iran Section in May 2019 for his Ph.D. dissertation. In August 2019, he joined AUT as an associate research professor in the department of electrical engineering. He is the project coordinator of the AUT Pilot Microgrid Project as one of the sub-projects of the Iran Grand (National) Smart Grid Project. He has been a co-supervisor of more than Ph.D. and M.Sc. students since 2017. He was a short-term scientist with CERN and ABB, Switzerland. He was selected as the top 1% reviewer of engineering in September 2018 and the top 1% reviewer of engineering and cross-field in September 2019. Dr. Baghaee is a member and secretary chair at the IEEE Iran Section communication committee and member of IEEE, IEEE Smart Grid Community, IEEE Internet of Things Technical Community, IEEE Big Data Community, and IEEE Sensors Council. Since August 2021, he has been elected as a member of the board and chairman of the committee on publications and conferences at the Iran Scientific Organization of Smart Grids (ISOSG) and a member of the IEEE PES Transmission Subcommittee. He is also the reviewer of several IEEE and IET journals, and guest editor of several special issues in IEEE, IET, Elsevier, MDPI, and scientific program committees of several IEEE conferences. From December 2020, he has served as an associate editor of the IEEE Journal of Emerging and Selected Topics in Power Electronics, and the IET Journal of Engineering. He has also been selected as the best and outstanding review of several journals such as IEEE Transactions on Power System (Top 0.66% of reviewers, in 2020), Elsevier Control Engineering Practice (in 2018, 2019, and 2020), and Wiley International Transaction on Electrical Energy Systems in 2020, and the Pablon best reviewer in Engineering (in 2018), and both engineering and cross-field (in 2019). He has been selected as the Star Reviewer of IEEE JESTPE and IEEE Power Electronics Society in 2020, commemorated, and presented during the IEEE ECCE 2021 conference in October in Vancouver, Canada. He has also been listed in the 2020 edition of the top 2% scientists in the field of ENERGY according to the "Science Wide Author Databases of Standardized Citation Indicators."