



**Emanuel Serban** received his B.Sc. and M.Sc. degrees in electrical engineering from Polytechnic University of Timisoara, Romania.

He received his Ph.D. degree in Electrical Engineering and Computing Science at University of British Columbia (UBC), Vancouver, Canada.

He held the position of R&D Chief Engineer in Schneider Electric's Solar Business, where he was responsible for leading the design and development of advanced solar and energy storage converter platforms.

Dr. Serban served as Engineering Manager at Enersys, where he led the R&D of telecom power conversion systems.

He currently holds dual roles as an Adjunct Professor at the University of British Columbia (UBC) and Vice President of Engineering at Hillcrest Energy Technologies.

He was awarded with the best IEEE PELS Ph.D Thesis (2019).

He holds several patents related to photovoltaic and energy storage systems and has made contributions to the research and development of power electronics products deployed globally.

His primary areas of interest include power electronics modeling and control, with a focus on developing converter platforms that achieve 99% conversion efficiency.