



Mihai Luchian received his B.Sc. and M.Sc. degrees in Electrical, Electronics, and Communications Engineering from the Technical University "Gh. Asachi" in Iași, Romania, in 2011. He is currently pursuing his Ph.D. at the University POLITEHNICA of Timișoara, focusing on hydrogen fuel cell optimization, specifically enhancing proton-exchange membrane fuel cell performance through hydrogen ionization. With extensive experience in automotive electronics, Mihai has held senior engineering roles at Continental, Flex, and Capgemini Engineering, specializing in high-voltage DC/DC converters, inverter systems, and powertrain electronics. He is also the founder of Crystal Matrix Design, delivering innovative automotive hardware solutions. His technical interests include power electronics design, automotive high-voltage systems, hydrogen fuel cells and advanced system modeling and simulation.