

CURRICULUM VITAE
of
Andrea Cavallini

Andrea Cavallini works on endurance modelling and diagnostics of insulation systems. His research focuses on partial discharges detection and identification through innovative detection system and artificial intelligence techniques. Partial discharge phenomena under PWM voltage waveforms are currently his principal line of investigation. In particular, the dependence of partial discharge phenomena on thermal aging, temperature and pressure is dealt due to its strong impact in the automotive and aerospace industry. He is also involved in the characterization of dielectrics and electrical insulation systems for power electronics.

He is co-author of about 280 scientific papers and 15 international patents, co-founder of the University spin-off Techimp and is active in IEEE DEIS (Adcom 2010-2016, Education c.tte chair from 2010, Italy Chapter President, chair of the TC on Transport Electrification), CIGRE (Italian national representative 2004-2008, convener of WG D1.43 and D1.74), IEC TC 2 MT 10 (project leader of IEC 60034-18-41 Ed. 2), and SAE (WG AE11). He is IEEE Fellow.