

Industry-Academic Forum on EMC 2020

Industry Contributions – 5 February 2020

EMC Research Challenges in High-Power Installations

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This talk gives an insight into ABB's on-going and future industrial research on EMC in high voltage direct current (HVDC) and flexible alternating current distribution systems (FACTS) stations. We highlight research challenges in the fields of numerical modeling, measurement methodologies, EM design and HF-noise mitigation of large and complex high-power systems. We present and discuss our needs for EMC-research required for the development of future high-power installations.