

## Biography

He received the Laurea and Ph.D. degrees in electrical engineering from the University of Oviedo (Spain) in 1998 and 2004, respectively. From 1999 to 2005, he worked at the European Organization for Nuclear Research (CERN) in Geneva, Switzerland. Dr. Arteché was involved in the design of the superconducting magnets for the new particle accelerator and the power supply system of the CMS experiment. From 2005 until 2007, he worked as an Academic Visitor at Imperial College (London) to design the electrical system of the Silicon Strip Tracker detector of the CMS experiment. He joined Instituto Tecnológico de Aragón (ITAINNOVA) in 2007, working on high efficiency electrical systems design and EMC studies for complex installations and transport. In 2012, he became the head of the IODINE (SISMEDIA) research group, and since 2016, he has been the head of the Electrical Technologies division. His current studies are focused on electrical-electronics systems and EMC in complex installations such as particle accelerators, electric vehicles, and energy systems. During the last 20 years, he has worked on several R&D projects at the national and international levels (FP7 and H2020) as a Principal Investigator and WP leader. Dr. Arteché is the author of several papers in scientific journals and international conferences, and he is the co-inventor of a European patent based on super-capacitors. He has also directed several doctoral theses and master projects. As an expert and external reviewer for the Spanish National Research Agency (ANECA) and European Commission, he has evaluated a large number of research and innovation projects for companies and national research programs. In addition, he is a reviewer for the IEEE EMC and power electronics transactions journals.

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