

MMS2020 - Delegate Member Biography Form

First Name	Humberto	Last Name	Campanella
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Biography	Photo
<p>Humberto Campanella is Principal Researcher at Tyndall National Institute in Cork, Ireland, where he leads Tyndall’s development efforts on piezoelectric MEMS devices for ultrasonic transducer and RF applications. Previously to Tyndall, Humberto was with GlobalFoundries (GF), Singapore, as Senior Member of Technical Staff where he delivered several MEMS platforms, including the world-first monolithic piezoelectric micromachined ultrasonic transducer (PMUT) – CMOS technology currently in commercial production. Previous to GF he led RF MEMS R&D at A*STAR (IME), Singapore, and CSIC (CNM) in Spain.</p> <p>Dr. Campanella holds Ph.D. titles from University of Montpellier (France) and Universitat Autònoma de Barcelona (Spain), has been granted nine patents and nine more patents pending in the fields of MEMS devices and integration technologies, and published over 60+ papers in prestigious journals and conferences. He is the author of the Artech House book “Acoustic Wave and Electromechanical Resonators: Concept to Key Applications” (Boston, 2010). His main interests are in advanced thin-film piezoelectric MEMS devices for 5G and IoT devices, system-on-chip (SoC) integration architectures, and industrialization technologies for effective MEMS transfer to industry –including PDK development.</p>	<div data-bbox="1107 743 1446 1184" data-label="Image"> </div> <div data-bbox="1133 1224 1419 1255" data-label="Text"> <p>Logo of the Institution</p> </div> <div data-bbox="1081 1339 1442 1476" data-label="Image"> </div>