

**Ferdinando Auricchio**, University of Pavia, Italy

<b>Talk title</b>	Additive manufacturing: opportunities and challenges
<b>Biography</b>	<p>Ferdinando Auricchio is professor of Solids and Structural Mechanics at the University of Pavia, Italy, where he always developed strong collaborations with the Department of Mathematics (being also a Research Associate at IMATI-CNR Pavia) and with several medical institutions.</p> <p>He received the IACM Fellow Award in 2012 and the ECCOMAS Euler Medal in 2016; from 2013 to 2019 he was an ECCOMAS Vice-President.</p> <p>In 2018 he was appointed as a member of the Italian National Academy of Science, known also as Accademia dei XL.</p> <p>Major research interests are the development of numerical schemes (in particular, finite element methods, both for solids and fluids, with a particular attention to innovative materials), the development of simulation tools to support medical decision (in particular, for cardiovascular applications), and more recently everything that is related to additive manufacturing. In fact, he has organized several 3D-printing labs, exploring new materials, new printing technologies, new uses of 3D printing, ranging from civil engineering 3D printed concrete beams to bio-manufacturing.</p> <p>He has around 250 publications on refereed international journals, H-index of 49, and over 7800 citations according to Scopus.</p>