

3rd International Forum on Research and Technologies for Society and Industry

Innovation to shape the future
Modena, Italy, 11-13 Sep. 2017

Organized by the IEEE Italy Section and University of Modena and Reggio Emilia
<http://rtsi2017.ieeesezioneitalia.it>

CALL FOR PAPERS

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TRACK 1: SMART MOBILITY
Marko Bertogna, University of Modena
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Dajana Cassioli (COM/VT Chapter chair)

TRACK 2: INDUSTRY 4.0

Leopoldo Angrisani, (IM Chapter chair)
Cesare Fantuzzi University of Modena
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TRACK 3: SMART HEALTHCARE

Sergio Cerutti, (EMB Chapter chair)
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Research and innovation are the key factors for changes towards a more sustainable economy able to create new job opportunities, as well as to fuel productivity and growth. Countries investing in research and innovation are more resilient to the economic crisis, react promptly to the great societal challenges of our time, and perform better in the strong global competition that continuously shapes economies and societies.

Grounded on these evidences, the core purpose of this forum is to foster technological innovation and excellence in the fields of electrical, electronic and information science and engineering, to promote the transition towards a vibrant innovation-based society.

Specifically, the main purposes of the event are:

- to promote and to strengthen partnerships and cooperation between academia and industry;
- to discuss inter-disciplinary ideas and to promote cross-fertilizing cooperation between researchers working in different research areas;
- to increase the public understanding and awareness of how engineering and technology can positively affect people quality of life;
- to promote discussion between the research community and related government bodies about effective and successful research policies;
- to disseminate recent advancements, research/technology solutions, and novel applications.

The theme of the 2017 edition of IEEE RTSI is *Innovation to shape the future* and the three main areas of interest (Conference Tracks) are: **Smart Mobility, Industry 4.0, Smart Healthcare**.
The accepted technical sessions are the following:

SMART MOBILITY	INDUSTRY 4.0	SMART HEALTHCARE
<ul style="list-style-type: none"> • <i>IoT and Mobile Applications for Smart City</i> Chairs: M. Di Felice, L. Bononi 	<ul style="list-style-type: none"> • <i>IoT Technology 1: Sensing, Processing, Connectivity</i> Chairs: R. Schiano Lo Moriello, R. Minerva 	<ul style="list-style-type: none"> • <i>Services, Applications and Solutions to Challenging Problems in Smart Healthcare</i> Chairs: A. Solanas, S. Djahel
<ul style="list-style-type: none"> • <i>Advanced remote sensing methods for a smarter and safer world</i> Chairs: A. Iodice, F. Nunziata 	<ul style="list-style-type: none"> • <i>IoT Technology 2: Computing Power & Digital Platforms</i> Chairs: R. Minerva, S. Datta 	<ul style="list-style-type: none"> • <i>Big Data Integration and IoT for Smart Health Care</i> Chair: S. Bergamaschi, Amit Sheth, G. Simonini
<ul style="list-style-type: none"> • <i>Electric and Magnetic devices for smart mobility applications</i> Chairs: F. Riganti Fulginei, Riccardo Scorretti 	<ul style="list-style-type: none"> • <i>Digital Fabrication & Digital Manufacturing</i> Chairs: D. Asprone, L. Angrisani 	<ul style="list-style-type: none"> • <i>E-Health and Personalised Medicine</i> Chairs: S. Cerutti, P. Scilingo
<ul style="list-style-type: none"> • <i>Human-Machine Interaction in Automotive</i> Chairs: R. Cucchiara, R. Vezzani 	<ul style="list-style-type: none"> • <i>Laser Manufacturing</i> Chairs: A. Cucinotta, L. Vincetti 	<ul style="list-style-type: none"> • <i>Neural and Cognitive Engineering</i> Chairs: F. Babiloni, A.M. Bianchi
<ul style="list-style-type: none"> • <i>Smart mobility challenges: vehicle, technology and infrastructure</i> Chairs: G. Gruosso 	<ul style="list-style-type: none"> • <i>Robotics & Smart Factory</i> Chairs: C. Secchi, C. Fantuzzi 	<ul style="list-style-type: none"> • <i>Advances in Medical Informatics for Health Care Applications</i> Chairs: S. Quaglini, R. Tagliaferri
<ul style="list-style-type: none"> • <i>Will smart vehicles work without sensors and electronics?</i> Chairs: P. Pavan, L. Rovati 	<ul style="list-style-type: none"> • <i>Simulation of Industrial Processes and Systems</i> Chairs: C. Fantuzzi, M. Gallo 	

Prospective Authors of papers are invited to submit a paper (typically 4-6 pages in standard IEEE two-column format) via EDAS (<https://edas.info/23476>) by suggesting the related Track and Technical Session. The paper should contain a complete description of the proposed technical contribution along with some results, suitably framed in the related state of the art. Each paper will be reviewed in terms of relevance with respect to the scope of the event, originality and quality of the technical content, overall organization and writing style. Papers must be prepared according to the Author's instructions reported on the RTSI 2017 Website: <http://rtsi2017.ieeesezioneitalia.it>.

Submission of papers implies intention to register and present the related content at the conference. Proceedings papers presented at the Conference will be submitted for inclusion in the IEEE Xplore Digital Library.

IMPORTANT DATES

Submission deadline extended to	5 May 2017
Notification of acceptance	20 June 2017
Final submission	30 June 2017
Early registration	10 July 2017

Technically co-sponsored by:

IEEE Italy Section Chapters: Communications and Vehicular Technology Joint Chapter, Computational Intelligence Chapter, Computer Chapter, Engineering in Medicine and Biology Chapter, Geoscience and Remote Sensing South Chapter, Instrumentation and Measurement Chapter, Magnetics Chapter, Photonics Chapter.

Research Associations: ET, GMEE, GRIN

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