



Call for Paper

IEEE RTSI 2021 is the **6th Forum on Research and technology for Society and Industry** focusing on contemporary society and industry topics ranging from mobility, industry 4.0 issues, energy, power quality, electronics, controls, manufacturing, communications and computational intelligence.

IEEE RTSI 2021 will be held September 6-9, 2021.

Join us in this exciting event where industry experts, researchers, and academics share ideas and experiences surrounding frontier technologies, breakthrough and innovative solutions and applications.

General Chairs:

Leopoldo Angrisani, University of Naples Federico II
Sergio Rapuano IEEE Italy Section Chair

Technical papers are solicited on any subject within the scope of the Conference that includes, but it is not limited to, the following Technical Topics:

TRACK 1 - Smart Energy

- Power Systems and Smart Grids;

- Power Electronics Converters, Electrical Machines and Industrial Drives;
- Energy Management and Distributed Energy Resources;
- Renewable Energy and New generation of accumulators;
- Linear and Non-linear Modeling and control Circuits and Systems;
- Neural Networks and Neuromorphic Systems;
- Energy Harvesting, and Wireless Power transfer;
- Low Voltage Protection; Medium Voltage Protection; Surge Protection;
- Generator & Ground Fault Protection of Medium Voltage Installations.

TRACK 2 - Smart Industry

- Smart materials;
- Sustainable industrial processes and products;
- Modelling and simulation of advanced manufacturing processes;
- Additive manufacturing for high performances application;
- Smart Systems and Artificial Intelligence Solutions for Advanced Transportation Platforms;
- Smart Technology Solutions for Enabling Safe Drone Operations;
- Smart Solutions for Communication, Navigation, and Surveillance
- Brain-Computer Interface for industrial applications;
- Augmented Reality-based Inspection in Industry 4.0;
- Immersive training systems.

TRACK 3 – Smart Communities

- Smart education technologies;
- Cognitive computing, Artificial Intelligence & machine learning;
- Semantic Web, Big data & Analytics;
- Smart living technologies;
- Innovation ecosystems and social capital;
- Blockchain ecosystem;
- Smart services for smart people;
- 5G wireless networks;
- Remote sensing methods and applications;
- IoT and smart communications;
- Power electronics and drives for sustainable transportation;
- Transportation in Smart Communities

SUBMISSION OF PAPERS

Prospective Authors of papers are invited to submit a paper (typically 4-6 pages in standard IEEE two-column format) via EDAS by suggesting the related Track and Technical Topic. The paper should contain a complete description of the proposed contribution along with 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 2021** Website: <https://rtsi2021.ieeesezioneitalia.it> Submission of papers implies intention to register and present the related content at the conference. The final manuscript must be accompanied by a registration form and a full registration fee payment proof. The length for final papers is 4-6 pages without exceptions. Proceedings papers presented at the Conference will be submitted for inclusion in the IEEE Xplore Digital Library.

IMPORTANT DATES

Deadline for submission of **Special Technical Session** proposal: **March 25, 2021**

Deadline for submission of **Regular Papers**: **July 3, 2021**

Deadline for submission of **Tutorials** proposals: **July 15, 2021**

Notification of acceptance: **July 24, 2021**

Deadline for submission of **Final Manuscripts** & **Author Registration**: **August 8, 2021**

Early registrations: **August 8, 2021**

TUTORIALS

Several tutorials are planned on the latest trends in industrial electronics and industrial informatics taking place on **September 6th, 2021**. If you are interested in organizing a tutorial, please contact Tutorials Chair at daniele.riccio@unina.it

OTHER ACTIVITIES

In addition to technical papers, a wide range of complementary activities for professional development are planned, supporting specific discussions among participants, with emphasis on industry-academia interactions, women in engineering, engagement of students and young professionals:

- 5th Industry Forum
- 4rd Women in Engineering Forum
- Students and Young Professional Forum,
- Forum on Innovative start ups and entrepreneurs
- Panels with industries

LOCATION

CeSMA – Center for Advanced Measurement and Technology Services
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MORE INFORMATION

Website: <http://rtsi2021.ieeesezioneitalia.it>