IEEE MELECON 2022

The 21st IEEE Mediterranean Electrotechnical Conference
Palermo, Italy, 14-16 June 2022

Call for Special Technical Sessions

The IEEE MELECON 2022 Technical Sessions focus on challenging and emerging issues in the field of 1) Smart Energy, 2) Smart Industry, 3) Smart Healthcare, 4) Smart Digital Communities.
They cover new developments in theory, analytics, numerical simulation and modelling, experimentation, advanced deployment and case studies, results of laboratory or field operational tests, and other related creative endeavors.
The Technical program topics include, but are not limited to:

- Conversion and Control of Sustainable Energy Sources
- Power Electronics and Control in Smart Grids, Industry and e-Transportation
- Energy Storage Systems and their Control
- Electrical Machines and Drives for Industry and Renewable energy Systems
- Energy Management, Smart Metering and Distributed Energy Resources
- Electric Mobility: challenges, trends, safety and EMI issues
- Application of Machine Learning and Artificial Intelligence in Smart Grids
- Energy Harvesting, Wireless Power transfer and Power Electronics Systems
- Cyber Security and Big Data Issues for Smart Grid Systems
- Smart Materials & Smart Sensor for Industry 4.0
- Sustainable Industrial Processes and Products
- Modelling and Simulation of Advanced Products and Manufacturing Processes
- Additive Manufacturing Technologies, Applications and Measurement
- Smart Systems and Artificial Intelligence for Manufacturing
- Smart Technology for Autonomous Systems: from Robots to Drone
- Automation, Robotics and Smart Factories
- Collaborative Machines and Systems
- Augmented Reality-Based and Virtual Reality
- Agriculture 4.0: Technology and Solution
- Digital Manufacturing: from Data Collection to Intelligent Systems
- Services, Applications and Solutions in Smart Healthcare
- Big Data Integration and Personalized Medicine
- E-Health and IoT for Smart HealthCare
- Neural and Cognitive Engineering
- Advances in Medical Informatics for HealthCare Applications
- Biotechnologies: advanced Devices and Sensors
- Bio-electromagnetic modelling
- 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 and beyond Wireless Networks
- Digital Twins for Smart Cities
- 3D Networks (terrestrial and aerial)
- Remote Sensing Methods and Applications
- IoT and Smart Communications
- Power Electronics and Drives for Sustainable Transportation
- Smart Mobility and Transportation

Prospective organizers of Special Technical Sessions for IEEE MELECON 2022 are invited to submit their proposals by sending an email to guido.ala@unipa.it

Proposals should include:
- title of the proposed Special Technical Session
- short description (less than 300 words) of the topic
- session organizer(s) name(s), affiliation(s), short biography and contact information (including email addresses).

Each Special Technical Session proposal is limited to no more than two organizers. It will be carefully evaluated at the time it is received on the basis of its pertinence to the scope of the Conference, the timeliness of the topic, and the qualifications of organizers and contributors.

Once approved, it will immediately be announced on the Conference website, and the organizers will be invited to join the Technical committee as Special Technical Session Co-Chairs. Moreover, they will be requested to propose a list of qualified peer-reviewers that will be submitted to the IEEE MELECON 2022 TPC chairs for approval.

Organizers will be welcome to promote their Special Technical Session. Prospective authors will be able to submit their papers to the approved Special Technical Sessions by selecting the corresponding track in EDAS. All submitted manuscripts will undergo the same review process as regular papers. Papers accepted and presented at the Conference will be submitted for inclusion in the IEEE Xplore digital library.

Each Special Technical Session should contain a minimum of 5 accepted papers (typical 6 papers).

The IEEE MELECON 2022 TPC chairs reserve the right to cancel any Technical Session if deadlines are missed or an insufficient number of attendees is preregistered.

Proposals must have been received by the deadline of December 17, 2021 for consideration.