



CALL FOR PAPERS

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MELECON 2020 is a major international forum presenting design methodologies, techniques and experimental results in emerging electro-technologies. It is one of the flagship conferences of the IEEE Region 8 with participants from all over the world. It is expected to bring together researchers and practitioners from different fields of Electrical Engineering. The technical program will include plenary sessions, regular technical sessions, special sessions, poster sessions and tutorials. Prospective authors are invited to submit their manuscripts reporting original work as well as proposals for special sessions (6-8 papers) and tutorials in the mentioned areas.

For this edition, topics of interest include but are not limited to:

TRACK 1: Smart Mobility Chairs Rosario Miceli, University of Palermo. Alberto Reatti, University of Firenze	TRACK 2: Industry 4.0 Chairs Giovanni Stea, University of Pisa Rosario Sorbello, University of Palermo	TRACK 3: Smart Healthcare Chairs Sergio Cerutti, Politecnico di Milano Costantinos Pattichis, University of Cyprus	TRACK 4: Smart Grids Chairs Gaetano Zizzo, University of Palermo Samuele Grillo, Politecnico di Milano
1.1. Electric vehicle transportation systems and their environmental impact, charging infrastructure and grid integration	2.1 Security, Privacy and Data Openness	3.1. Services, Applications and Solutions to Challenging Problems in Smart Healthcare	4.1. Smart and sustainable islands
1.2. Transportation electrification, electric & hybrid vehicle, interconnected cities	2.2 Cloud-based Systems and Applications	3.2. Big Data Integration and IoT for Smart HealthCare	4.2. Net zero energy systems
1.3. Business models and technical solutions for smart mobility of people and goods	2.3 Industrial Internet, SG and Internet of Things	3.3. E-Health and Personalised Medicine	4.3. The Mediterranean energy hub
1.4. Public Transportation and shared mobility networks and their management, rail traffic management	2.4 Wireless sensor nodes and energy harvesting	3.4. Neural and Cognitive Engineering	4.4. Demand response and prosumers' aggregation
1.5. Water transportations, infrastructures, vessel traffic management and shipboard electrical power systems	2.5 Artificial Intelligence and Big Data Analytics	3.5. Advances in Medical Informatics for HealthCare Applications	
1.6. Air transportation, avionics and aerospace, more electric aircrafts	2.6 Robotics, Automation and Advanced Manufacturing	3.6. Biotechnologies: advanced Devices and Sensors	
	2.7 Embedded and Cyber-physical systems	3.7. Bio-electromagnetic modelling	

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 Session. 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 MELCON2020 Website: <http://www.melecon2020.org>

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

Deadline for Submission of Special Session Proposals	2 December 2019
Deadline for submission of Tutorials	16 December 2019
Deadline for Submission of papers	16 December 2019
Notification of acceptance	17 February 2020
Deadline for submission of camera-ready papers	25 March 2020
Early registration	17 April 2020