

WEDNESDAY - SEPTEMBER 8, 2021			
09:00 - 09:30 CEST	Keynote - Track 1 Marie-Cecile Alvarez-Herault: "Innovative Planning of Flexible Distribution Grids under Uncertainties" Chair: Amedeo Andreotti		
09:30 - 11:00 CEST	Session T1.3 Power Systems and Smart Grids	Session T2.3 Advanced Modelling and Simulation	Session T3.5 IoT and Smart Communications - Part I
09:30	<i>Optimal Operation of Multi-Energy Microgrids Considering Network Constraints and Multiple Uncertainties</i>	<i>Comparison of Intelligent Approaches for Cycle Time Prediction in Injection Moulding of a Medical Device Product</i>	<i>FPGA-Based Implementation of 2D Normalized Cross-Correlation for Large Scale Signals</i>
09:45	<i>Participation of Electric Mobility in the Ancillary Service Market: A Numerical Assessment of Expected Performance and Revenues</i>	<i>Powder Bed Spreading in Additive Manufacturing: Numerical Simulations and Experimental Study</i>	<i>Towards Privacy Preservation in Internet of Drones</i>
10:00	<i>Design, Development, and Characterization of a Low-Voltage Network Monitoring Unit</i>	<i>CFD-DEM Modelling: Clogging of Triplet Particles in a Microchannel With a Constriction</i>	<i>Secure Data Exchange Scheme for Smart Grids</i>
10:15	<i>A PLC Based Monitoring and Remote Control Architecture for Distributed Generation and Storage Systems in LV Smart Grids</i>	<i>Real-Time Object Detection and Grasping Using Background Subtraction in an Industrial Scenario</i>	<i>AirGen: GAN-Based Synthetic Data Generator for Air Monitoring in Smart City</i>
10:30	<i>Effects of Low Frequency Oscillations on Distance Relay in Series Compensated Transmission Systems</i>	<i>A Finite-State Machine Approach to Study Patients Dropout From Medical Examinations</i>	<i>Reliability Analysis of Diagnostic System for Condition Monitoring of Industrial Plant</i>
10:45		<i>Virtual Reality Percussion Simulator for Medical Student Training</i>	<i>Virtualizing Real-Time Processing Units in Multi-Processor Systems-On-Chip</i>
11:00 - 13:00 CEST	Industry event on Competence Centers I4.0 Chair: Leopoldo Angrisani		
13:00 - 14:15 CEST	BREAK		
14:15 - 16:15 CEST	Combined event Humanitarian, History and Ethics Humanitarian: Abdullateef Aliyu: "Covid-19 and IEEE Humanitarian Activity's vision" History: Roberto Napoli: "Pandemic and Climate Change: realities and forecasts", Antonio Savini, Socio-technical impact of COVID-19. IEEE technologies to respond to the pandemic" Ethics: Laura Boella, "COVID 19 as a dramatic change in our social interactions" Chair: Sergio Cerutti		
16:15 - 16:30 CEST	BREAK		
16:30 - 18:00 CEST	Session T1.4 Power Electronics Converters, Electrical Machines and Industrial Drives	Session T2.4 Artificial Intelligence and Control	Session T3.6 IoT and Smart Communications - Part II
16:30	<i>Modeling, Simulation and Analysis of Bipolar Driven BLDC Motor</i>	<i>A Supervised Machine Learning Framework for Smart Tires</i>	<i>Mobile Network Traffic Prediction Using High Order Markov Chains Trained at Multiple Granularity</i>
16:45	<i>Electromagnetic and Structural Analysis of an Induction Motor With Copper Rotor Bars Used in Automotive Applications</i>	<i>Ranking Triangular and Trapezoidal Fuzzy MARCOS Methods on Road Risk</i>	<i>Characterizing and Modeling Traffic of Communication and Collaboration Apps Bloomed With COVID-19 Outbreak</i>
17:00	<i>Power Control Strategy of a Delta-Connected Photovoltaic Cascaded H-Bridge Converter for Low Voltage Distribution Networks in Energy Community</i>	<i>Service for Airborne Fundamental Equipment Delivery by Remotely Operated Platforms</i>	<i>Security Enhancement of A5/1 Algorithm in GSM Communication and It's Randomness Analysis</i>
17:15	<i>Improved Performance of Grid Tied PV CHB Inverter With Embedded Storage Units</i>	<i>When Finite-Region Stability Meets Iterative Learning Control</i>	<i>V-IoT: A Smart Hydraulic Distribution System Using Volumetric Route-Genetic Algorithm</i>
17:30	<i>A Free Oscillating Half-Bridge Converter for Capacitively Coupled Wireless Power Transfer</i>	<i>CNN-Based Pose Estimation of Manufactured Objects During Inline X-Ray Inspection</i>	<i>An Automatic Vehicle Accident Detection and Rescue System</i>
17:45			<i>Electromagnetic Propagation Software Tool for Planning and Analyzing 5G Networks</i>