

EEEMEET 2022

MARCH 21, 2022

Final Program



ALBEDO MEETINGS

Floor# 3, Advant Building, 99B, Kakatiya
Hills, Kavuri Hills, Madhapur Hyderabad,
TS 500033

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Day 1, March 21, 2022

Virtual Presentations

Starts @ London, UK Time Zone (GMT)

Chair Person: Sastry Pamidi, FAMU-FSU College of Engineering, USA

09:00-09:10	Introduction	
09:10-09:50	P	Title: In Search of a Unified Theory-of-Everything in Computational Engineering
		Alireza Baghai-Wadji, Southern University of Science and Technology (SUSTech), China & University of Cape Town (UCT), Western Cape, South Africa
09:50-10:20	K	Title: Electric Vehicles and its Impact to Energy Storage
		Eric Cheng, The Hong Kong Polytechnic University, Hong Kong
10:20-10:40	I	Title: Development of Inspection System for Detecting Tool Steel Chipping in Conductive Specimen using Thin Film Magneto-Impedance Sensor
		Tomoo Nakai, Industrial Technology Institute, Miyagi Prefectural Government, Japan
10:40-11:00	I	Title: Energy Efficient Communications for Wireless Networks Based on Game Theory
		Fadhil Mukhlif, Universiti Teknologi Malaysia, Johor, Malaysia
11:00-11:20	I	Title: Fault-Tolerant FPGA-based Applications
		Gehad Alkady, American University in Cairo, Egypt
11:20-12:00	P	Title: Frequency Control in Low Inertia Systems
		Francisco Gonzalez-Longatt, University of South-Eastern Norway Norway
12:00-12:30	K	Title: IoT Platforms- Past, Present and Future Development
		Ivan Ganchev, University of Plovdiv "Paisii Hilendarski", Bulgaria
12:30-13:00	K	Title: Predictive Control for Power Electronics – What are the Features Interesting for the Future?
		Ralph M. Kennel, Technische Universitaet Muenchen, Germany
13:00-13:30	k	Title: Performance Enhancement of MMW Focal Plane Array Based on Glow Discharge Detector and Light to Frequency Converter
		Natan Kopeika, Ben-Gurion University of the Negev, Israel
13:30-14:00	k	Title: Exploitation of One-dimensional and Two-dimensional Nanostructures as Field Emitters and Field-Effect Transistors.
		Filippo Giubileo, National Research Council, Italy
14:00-14:20	I	Title: Power-efficient and Robust Communication Systems for Large-scale Data Centers
		Werner Rosenkranz, University of Kiel, Germany

14:20-14:40	I	Title: Adaptive Distributed Emergency Electricity Grid Control System for Smart Hospitals
		Adrián Will, Advanced Information Technologies Research Group (GITIA), National Technological University, Argentina
14:40-15:00	I	Title: Optically Transparent Antennas Technologies
		Mohamed HIMDI, Universite de Rennes 1, France
15:00-15:20	I	Title: Reconfigurable Intelligent Surfaces for 6G Systems: Opportunities, Challenges, and Future Directions
		Lina Mohjazi, University of Glasgow, UK
15:20-15:40	I	Title: Moscow Power Engineering Institute: Hydrogen Technologies Research and Development
		Nikolay Rogalev, Moscow Power Engineering Institute, Russia
15:40:16:20	P	Title: The Role of Electronics and Electrical Engineering in Sustainable Energy Transition
		Samir Kouro, Universidad Tecnica Federico Santa Maria, Chile
16:20-17:00	P	Title: Alternative Adaptive Architectures using a B Controller
		Bensoussan David, Ecole de Technologie Superieure Montreal Canada
17:00-17:30	K	Title: High Power Density Superconducting Cables for Electric Transportation Applications – Opportunities and Challenges
		Sastry Pamidi, FAMU-FSU College of Engineering, USA
17:30-18:00	K	Title: Recent Directions and Advances in Robotics and Automation: Interdisciplinary Education, Research and Future Careers
		Tarek M. Sobh, Lawrence Technological University, USA
18:00-18:30	K	Title: Towards the Winning Combination for Microwave Front-end Architectures Assisted by Embedded Behavioural Models in Wireless Communication Devices
		Nicolas G. Constantin, Universite du Quebec, Canada
18:30-19:00	K	Title: On Grid-Interactive Smart Inverters: Features and Advancements
		Behrooz Mirafzal, Kansas State University, USA
19:00-19:20	I	Title: Machine learning in Far-Field Wireless Power Transfer
		Yuan Xing, University of Wisconsin-Stout, USA

End of sessions