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Robotics & Automation Society Chapter

Diego Benitez
Universidad San Francisco de Quito USFQ

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Adaptive Systems, Signal Processing, Embedded Systems, Fault Tolerant Systems, Identification, Predictive control.

INDUSTRIAL ELECTRONICS

Power Converters, Power semiconductors, Machines and drives, Power electronics in transportation systems, Power electronics applications

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Internet of Things, Communications Systems Security, Green Communications, Mobile and Wireless Networking, Next-Generation Networking, Optical Networks and Systems, Signal Processing, Access Networks and Systems, Cloud Networks, e-Health, Power Line Communications, Satellite and Space Communications

COMPUTER

Security and Privacy, Semantic Computing, Real Time Systems, Computational Intelligence, Multimedia Computing, Learning Technologies, Distributed Processing, Data Engineering and Data Science, Human Computer Interaction, Computer Vision

COMPUTATIONAL INTELLIGENCE

Neural Networks, Fuzzy Systems, Evolutionary and Swarm Computation, Learning Systems, Data Science

POWER AND ENERGY

Transmission, Distribution, Power Generation, Power System Control & Operation, Reliability, Stability, Renewables, SmartGrids.

ENGINEERING IN MEDICINE AND BIOLOGY

Clinical Engineering, Telemedicine, and Health Care, Bioinformatics, Biomechanics, Biomaterials, Bioinstrumentation, Signal and Image Processing, Biophysics

ROBOTICS AND AUTOMATION SYSTEMS

Automation, Automation in Logistics and Supply Chain Management, Sensors, Robotics, Assistive Technologies, System Integration, Sensor/Actuator Networks, Distributed and Cloud Robotics, Autonomous Vehicles, Human/Robot Interaction.

CEIS — SOFTWARE ENGINEERING INVITED SESSION

Software design, software building, software production processes, Quality, design methodologies, artificial intelligence applied to software engineering, education, process models, verification and validation, integration and operation, human aspects in software engineering, software project management.



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