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2nd IEEE Global Conference onWireless Computing and Networking (GCWCN-2018), #44232

November 23-24, 2018, SIT, Lonavala, Pune, India

:: **Scope**

GCWCN2018 is the second global conference which addresses the developments in the field of wireless technology and networking over the globe.The theme of eventis"Green Technology in Next Generation Networks"This conference explores incremental, ambitious and innovative ideas, trends and futurechallenges towardsICT globalization. The conference tries to bridge the gap between the academia, industry, standardization forums and SDO's working on green, secure and cognitivecommunication. It includesissues in existing and novel wireless technologies such as cellular, short-range,sensor, future radio access, vehicular communication and embedded ones.Conference also focuses on issues in Cognitive and self-organizing networks, Internet of Things, Signal processing,Network without borders, recentadvances in information theory and its application, Multimedia applications and services.

:: Topics of Interest (but not limited to)

Track1:Communications Networks

Mobile social networks , Self-organizing networks, Inter-working of 2G, 3G and 4G wireless networks, Vehicular networks,Autonomic Communications, Cross-layer design and optimization, Green and secure MAC, MIMO antennas and network architectures, Congestion and Admission Control, Machine-to-Machine (M2M) communications, MultimediaQoS and traffic management, Wireless networking in smart cities, B3G/4G systems, WiMAX, WLAN, WPAN, 5G Inter-networking,RFID and sensor networks, Co-operative networks,Cooperative Communication, Energy-efficient Computation and Communication, Fault tolerance, Reliability and Survivability, Interconnection Networks and Architectures, Smart Antenna Based NetworkingSmart Grid Communications, Smart Antenna Based Networking

Track2: Cognitive radio networks

Cognitive radio networks,Future wireless internet, Cloud computing and data center networks, Interworking of heterogeneous wireless networks, Localization for wireless networks, Optimal energy-aware clustering, Traffic and energy consumption rate, Energy-efficient topology control, Energy optimization in multi-hop communications, Energy supply, lifetime and transmission power, Energy harvesting for autonomous networks, Software define radio (SDR), Spectrum Management (cognition), Robotics and Machine VisionRadio propagation and channel modeling, Source, channel coding and access techniques

Track3:Internet of Things (IoT)

IoT Architectures, Protocols, and Algorithms, IoT Big Data Analysis, User-Oriented, Context-Aware IoT Services, IoT Device and Network Domain Technologies IoT Sensing Things Technology and Applications, Cloud Computing and IoT, Security, Trust, Privacy and Identity in the IoT, IoT Application Scenarios, Performance Evaluation of IoT Technologies, Crowd-Sourcing and Opportunistic IoT, Data Analytics and Decision Automation, Data Management in IoT, Efficient Resource Management Based on IoT, End To End/Machine to Machine (M2M) Protocols, Knowledge-Based Discovery of Devices in the IoT, Localization in IoT.

Track4: Media and Signal Processing

Image, Video, and Multimedia signal processing, Virtual reality signal processing, Speech and audio signal processing, Social media networks, Multimedia communications, Compressive sensing and compressive sampling, Adaptive signal processing, Signal processing applications and systems, Sensor array & multichannel signal processing, Multi-rate signal processing, Spoken language processing, Video processing, segmentation and analysis, Real time signal analysis, Biomedical signal analysis, Parallel and Distributed Algorithms, Pattern Recognition and Analysis

Track5: Security

Security and privacy, Reliability aspects, Mechanisms for authentication, Secure communication, Encryption algorithms, Sensor secure management, Data integrity and Trustworthiness issues, IoT Security, Information-theoretic Security, Cyber security and policies, Application layer security, End-to-end security and mobility, Wireless network security and privacy, Embedded security,Device security.

Track6: Green ICT

Smart Cities, Multiple accesses controls, Ad hoc and sensor networks, Co-operative networks, Network protocols and QoS scheduling, Radio resource and mobility management, Next generation networks, Wireless telemedicine and e-health services, Radio propagation and channel modeling, Source, channel coding and access techniques, RFID and wireless sensor networks, Positioning and localization protocols, Synchronization controls in WSN, Intelligent transportation system, Bandwidth Management, Wireless telemedicine and e-health services, Cloud computing and data center networks, High Performance Switching and Routing.

Track7: Advanced Smart Grid and Power Systems

Communication Networks for Smart Grid, Responsive Grids, Smart metering, Demand Response and Dynamic Pricing, Electric Vehicle Technologies, Photovoltaic Technology, Solar Thermal Applications, Wind and Water Based Energy Generation, Hydrogen & Fuel Cell, Energy Network and Topologies, Smart Grid Technology and Micro-grids, Energy Harvesting and Conversion, Application of Optimization techniques to Smart Grid / Micro-grid, Wide Area Protection, Communication, and Control in Energy Systems, Cyber Security Systems (intelligent monitoring and outage management), Power quality control and utility applications, Renewable energy, Electric machines, Modeling, simulation, analysis, design and implementations of power circuit, Smart grid applications

:: Important Dates

Paper submission	:August 12, 2018
Acceptance notification	:Sept. 15, 2018
Camera ready submission	:Oct. 01, 2018
Conference date	:Nov 23-24, 2018
Submission of Paper:	:http://edas.info/N24470

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For More Information and Contact:

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Note: The accepted and presented papers will be included in the IEEE Xplore®Digital Library. 978-1-5386-5201-5. Presented few papers meeting quality criteria will be published in reputed Journal (TBC).

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