



CALL FOR PAPERS

2nd International Conference on Wireless Communications, Vehicular Technology, Information Theory and Aerospace & Electronic Systems

:: Wireless VITAE 2011
February 28 – March 3, 2011, Chennai, India

:: Scope

Wireless VITAE is the only international conference broadly addressing the wireless developments in the world by merging the communities from four different IEEE societies. The theme of the Second International Wireless VITAE conference is **Global, Personalised, Cloud and Green Communications**. The conference will address the trends, challenges and future roadmaps within a conglomerate of existing and novel wireless technologies, including cellular, short-range, sensor and embedded ones. Cognitive and self-organizing networks, Internet of Things, positioning and localization, recent advances in information theory and its applications, space technology for very high data rates, and techno-economic aspects of telecommunications are part of the scope, among others.

With an active portfolio of nearly 1,300 standards and projects under development, the IEEE is increasingly the central source for standardization in a broad range of emerging technologies, welcoming individual engineers and organizations to participate. The wireless technology poses different questions to different research communities – from fundamental communication limits (Information theory), through transmission techniques and generic applications (Communication and Vehicular technology) up to customized applications, such as air-to-ground wireless connectivity (Aerospace) their drivers and impact. Wireless VITAE joins hands with GISFI to provide a platform to gather the different facets of the wireless into a single event and to exchange ideas and knowledge among the different research communities that address the various aspects of the wireless theme.

:: Topics of Interest (but NOT limited to)

Wireless Communications

New Generation Networks/Future Internet
Broadband wireless communication
Cognitive and self-organizing radio and networks
Security and privacy
Green communication
Wireless sensor networks and RFID
Internet of Things and Near Field Communication
Tele-health

Vehicular Technology

Intelligent transportation systems
Inter-vehicular communication
Positioning and localization
Rail communication
Accident prevention

Information Theory

Source and Channel Coding and Access Techniques
Algorithmic Complexity and Information Theory
Information-theoretic Security
Network capacity Optimization
Propagation modeling
Signal Processing

Aerospace and Electronic Systems

Navigation
High altitude platforms
Satellite communication
SDR/software driven satellite designs
Space technology challenges for wireless Tbit/s

Business Models and Regulation (which extends across all above mentioned areas)

Application and services
Usability and user requirements
Socio-economic impact
Techno-economics
Entertainment and gaming

Problem- and Project-Based Learning (PBL)

PBL-Creativity, Group Work and Project Management
Core values of PBL
Visions and Challenges of PBL in diverse contexts

:: Dissemination

All accepted papers will be published in IEEE Xplore.

:: Important Dates

(Extended) Suggestions for workshops, panels, tutorials and special sessions: October 30, 2010

(Extended) Full paper submission (5 Pages): October 30, 2010

Acceptance notification: December 01, 2010

Camera ready submission: December 15, 2010

Conference: February 28 – March 3, 2011

:: Organizing Committee

Mr. K. Sridhara (General Chair)

Director General GISFI
Former-member Technology ICT Government of India

Prof. Dr. M. D. Tiwari (TPC chair)

Director IIIT Allahabad, India
Mr. R.,N. Jha (TPC Co-Chair for Asia Pacific)
Deputy Director General, Information Relations, ICT, Govt. of India

Dr. Parag Pruthi (TPC Co-Chair for North America)

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Head of Wireless Security and Sensor Networks Group, CTIF, Aalborg University, Denmark

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Prof. N. Gunasekaran (Local Organizing Committee)

Principal, Prathyusha Engg College, Chennai, India

Ms. Hanne Skovby

Head of CTIF Secretariat, CTIF, Denmark

:: More information and contact

<http://www.wirelessvitae.org/2011/>

<http://www.gisfi.org>

<http://ctif.aau.dk>

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