

Wireless VITAE 2011
28 FEB – 3 MAR
LE ROYAL MERIDIEN CHENNAI, INDIA

DHARANI HALL III	DHARANI HALL I	DHARANI HALL II	JASMINE	LOTUS HALL	MADRAS II	MADRAS I
Monday - February 28						
Registration (The Grand Madras Foyer)						
<i>Tutorial</i>			<i>Tutorial</i>		<i>GISFI</i>	
Internet of Things I			Modem Design I		Opening and Keynote Speeches	
<i>Neeli R. Prasad & Zheng-Hua Tan</i>			<i>fred harris</i>		<i>Ramjee Prasad</i>	
Lunch (The Grand Madras Foyer)						
<i>Tutorial</i>			<i>Tutorial</i>		<i>GISFI</i>	
Internet of Things II			Modem Design II		Standardisation Series Presentations and Discussions: Internet of Things	
<i>Neeli R. Prasad & Zheng-Hua Tan</i>			<i>fred harris</i>		<i>Jaydip Sen</i>	
Coffee break (The Grand Madras Foyer)						
<i>Tutorial</i>			<i>Tutorial</i>		<i>GISFI</i>	
Technologies for 4G Wireless Systems - WIMAX & LTE			Microwave Integrated Circuit Components Design		Standardisation Series Presentations and Discussions: Special Interest Group	
<i>M.S.Sricharan</i>			<i>S. Raghavan</i>		<i>Krishna Sirohi</i>	
Welcome Reception by Wireless Vitae (Madras II)						
Tuesday - March 1						
Registration (The Grand Madras Foyer)						
Grand Opening Ceremony of Wireless VITAE 2011 (MADRAS III) *						
Chair: M.D. Tiwari, TPC Chair						
Opening Speech: Hon'ble Minister Kapil Sibal, Ministry for Communication & Information Technology, Govt. Of India (tbc)						
Keynote						
Round Table Discussions						
Lunch (The Grand Madras Foyer)						
<i>Technical Session 1</i>	<i>Technical Session 2</i>	<i>Special Session 1</i>	<i>Special Session 2</i>	<i>World Class Innovation</i>		
Ad-hoc Networks	Wireless Sensor Networks	Advances in Wireless Radio Technologies beyond IMT-A	MIMO Antenna	Selected Topics I	Opening and Workshop	Selected Topics II
<i>Vladimir A. Oleshchuk</i>	<i>Mary Ann Ingram</i>	<i>Afff Osseiran</i>	<i>Nobuo Nakajima</i>	<i>Rositsa Bateson</i>	<i>Ramjee Prasad</i>	<i>Frank Reichert</i>
Coffee break (The Grand Madras Foyer)						
<i>Technical Session 3</i>	<i>Technical Session 4</i>	<i>Special Session 3</i>	<i>Special Session 4</i>	<i>World Class Innovation</i>		<i>GISFI Special Session 1</i>
Antenna Design	Spectrum Usage and Management and Cognitive Radio	Energy-Efficient Communications in Wireless Networks	Trends and Challenges in Hybrid Wireless Communications Systems	Selected Topics III	One-on-One meetings	Green ICT
<i>Silvano Pupolin</i>	<i>Stanley H. Mneney</i>	<i>Frank Li</i>	<i>Octavian Fratu</i>	<i>Vinod Kumar</i>	<i>Anand R. Prasad</i>	
Welcome Reception by GISFI (Madras III)						
Wednesday - March 2						
Registration (The Grand Madras Foyer)						
Keynote speech (Madras III) *						
Coffee break (The Grand Madras Foyer)						
<i>Technical Session 5</i>	<i>Technical Session 6</i>	<i>Special Session 5</i>	<i>Special Session 6</i>	<i>World Class Innovation</i>		<i>GISFI Special Session 2</i>
Next Generation Networks I	Information Theory I	Data and Information Management for Next Generation Networking	Delivery of Next Generation Multimedia Services	One-on-One meetings	Selected Topics IV	Standardisation
<i>Pramod Varshney</i>	<i>Narpat Singh Gehlot</i>	<i>Der-Jiunn Deng</i>	<i>Sofoklis Kyriazakos</i>	<i>Asok Chatterjee</i>		<i>N. K. Srivastava</i>
Lunch (The Grand Madras Foyer)						
<i>Technical Session 7</i>	<i>Technical Session 8</i>	<i>Special Session 7</i>	<i>Special Session 8</i>	<i>World Class Innovation</i>		<i>GISFI Special Session 3</i>
Next Generation Networks II	Information Theory II	Security Protection Mechanism in Wireless Sensor Networks	Exploring the Deep Future of Biotechnology	One-on-One meetings	Selected Topics V	Methods & techniques to improve spectrum usage efficiency
<i>Hiroshi Harada</i>	<i>Leo P. Ligthart</i>	<i>Sipra DasBit & Amrita Ghosal</i>	<i>Paola Di Nardo</i>	<i>Luc Deneire</i>		<i>Pawan K. Garg</i>
Coffee break (The Grand Madras Foyer)						
<i>Technical Session 9</i>	<i>Technical Session 10</i>	<i>Special Session 9</i>	<i>Special Session 10</i>	<i>World Class Innovation</i>		<i>GISFI Special Session 4</i>
Problem Based Learning	Information Theory III	Telehome care	Radio Spectrum Allocations	One-on-One meetings	Selected Topics VI	Service Oriented Networks
<i>Anette Kolmos</i>	<i>fred harris</i>	<i>Birthe Dinesen & Ole Hejlesen</i>	<i>Reza Tadayoni & Knud Erik Skouby</i>	<i>Tommi Jamsa</i>	<i>Parag Pruthi & Ashutosh Dutta</i>	
Gala Dinner (Madras III)						
Thursday - March 3						
Registration (The Grand Madras Foyer)						
Grand Valedictory Ceremony (Madras III) *						
Speech: Sh. J. S. Sarma, Chairman The Telecom Regulatory Authority of India (TRAI)						
Coffee break (The Grand Madras Foyer)						
<i>Technical Session 11</i>	<i>Special Session 11</i>	<i>Workshop</i>	<i>Workshop</i>	<i>World Class Innovation</i>		<i>GISFI Special Session 5</i>
Aerospace	Security, privacy and trust in future applications	Modern Application of Cognitive Radio	Problem Based Learning	Individual meeting program	Selected Topics VII	Business Models for Mobile Operators
<i>Per Hoeg</i>	<i>Vladimir Oleschuk</i>	<i>Anette Kolmos & Erik Graaff</i>		<i>Jeevarathinam Ravikumar</i>		<i>T. R. Dua</i>
Lunch (The Grand Madras Foyer)						
<i>Technical Session 12</i>	<i>Special Session 12</i>	<i>Workshop</i>	<i>Workshop</i>	<i>World Class Innovation</i>		<i>GISFI</i>
Human Aspects of Communication	Cognitive Radio and TV White Space Operations	Application of IOT in Smart Grid	Problem Based Learning	Individual meeting program	Selected Topics VIII	Standardisation Series Presentations and Discussions: Future Radio Network
<i>Peter Fojan</i>	<i>Dominique Noguét & Laurent Herault</i>	<i>Anette Kolmos & Erik Graaff</i>		<i>Dina Simunic</i>		<i>Rajiv Mehrotra</i>
Coffee break (The Grand Madras Foyer)						
<i>Technical Session 13</i>	<i>Workshop</i>		<i>World Class Innovation</i>		<i>GISFI</i>	
Vehicular Technologies	IoT in Health Care Applications		Individual meeting program		Closing Key Note Session	
<i>Enrico Del Re</i>					<i>T. R. Dua</i>	

* Supplementary programme will be provided at the registration desk at venue.

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Monday - February 28	
8:00-17:00	Registration (The Grand Madras Foyer)
JASMINE	
9:00-12:00	Tutorial Internet of Things I <i>Neeli R. Prasad & Zheng-Hua Tan</i>
12:00-13:00	Lunch (The Grand Madras Foyer)
13:00-16:00	Tutorial Internet of Things II <i>Neeli R. Prasad & Zheng-Hua Tan</i>
16:00-16:30	Coffee break (The Grand Madras Foyer)
16:30-19:00	Tutorial Technologies for 4G Wireless Systems - WiMAX & LTE <i>M.S.Sricharan</i>
19:00-21:00	Welcome Reception by Wireless Vitae (Madras II)
MADRAS II	
9:00-12:00	Tutorial Modem Design I <i>fred harris</i>
12:00-13:00	Lunch (The Grand Madras Foyer)
13:00-16:00	Tutorial Modem Design II <i>fred harris</i>
16:00-16:30	Coffee break (The Grand Madras Foyer)
16:30-19:00	Tutorial Microwave Integrated Circuit Components Design <i>S. Raghavan</i>
19:00-21:00	Welcome Reception by Wireless Vitae (Madras II)
MADRAS I	
9:00-12:00	GISFI Opening and Keynote Speeches <i>Ramjee Prasad</i>
12:00-13:00	Lunch (The Grand Madras Foyer)
13:00-16:00	GISFI Standardisation Series Presentations and Discussions: Internet of Things <i>Debasis Bandyopadhyay & Jaydip Sen</i> Current Standardization Efforts on Internet of Things in 3GPP Architecture for Internet of Things Mobility Management for Wireless Internet
16:00-16:30	Coffee break (The Grand Madras Foyer)
16:30-19:00	GISFI Standardisation Series Presentations and Discussions: Special Interest Group <i>Krishna Sirohi</i>
19:00-21:00	Welcome Reception by Wireless Vitae (Madras II)



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Tuesday - March 1	
8:00-17:00	Registration (The Grand Madras Foyer)
9:00-12:00	Grand Opening Ceremony of Wireless VITAE 2011 (MADRAS III)
12:00-13:00	Lunch (The Grand Madras Foyer)
DHARANI HALL III	
13:00-15:00	<p style="text-align: center;">Technical Session 1 Ad-hoc Networks <i>Vladimir A. Oleshchuk</i></p> <p>A Simulation Analysis of Flooding Attack in MANET using NS-3 Defending against Worm Hole Attacks in Multicast Routing Protocols for Mobile Ad hoc Networks Multiplayer Game for DDoS Attacks Resilience in Ad hoc Networks Path Selection in Wireless Mobile Ad Hoc Network Using Fuzzy and Rough Set Theory A Modified Gossip Algorithm for Clustered Ad Hoc Networks A Survey of Social Based Mobility Models for Ad hoc Networks</p>
15:00-15:30	Coffee break (The Grand Madras Foyer)
15:30-17:30	<p style="text-align: center;">Technical Session 3 Antenna Design <i>Silvano Pupolin</i></p> <p>A Miniaturized CPW-fed Rocket Shaped UWB Antenna for Wireless Applications Design and Simulation of Planar Minkowski Fractal Antennas A Novel Compact CPW-fed Octagon Shaped Slot Antenna for WLAN Application A Novel High gain Monopole CPW antenna for WiMAX Applications Compact High Gain CPW- Fed Slot Antenna for WLAN/WiMAX Applications</p>
19:00-21:00	Welcome Reception by GISFI (Madras III)
DHARANI HALL II	
13:00-15:00	<p style="text-align: center;">Special Session 1 Advances in Wireless Radio Technologies beyond IMT-A <i>Ajif Osseiran</i></p> <p>Advances in Wireless Network Coding for IMT-Advanced & Beyond Interference Management in Self-Organized Femtocell Networks: the BeFEMTO approach Advances in D2D Communications: Energy efficient Service and Device Discovery Radio LTE and HSPA for Fixed Wireless Broadband: Datarates, Coverage, and Capacity in Rural India Framework for Energy Efficiency Analysis of Wireless Networks Impairment Modeling for Joint Transmission CoMP</p>
15:00-15:30	Coffee break (The Grand Madras Foyer)
15:30-17:30	<p style="text-align: center;">Special Session 3 Energy-Efficient Communications in Wireless Networks <i>Mary Ann Ingram</i></p> <p>Compressed Sensing in Spatial MIMO Channels Energy aware data aggregation in Wireless Sensor Networks An Optimal Energy Efficient Cooperative Retransmission MAC Scheme in Wireless Networks A System-level Power Saving Approach for Cellular Networks with Microcells/Picocells Cooperative Transmission Range Extension for Duty Cycle-Limited Wireless Sensor Networks Towards a layer-less network architecture - A case from Wireless Sensor Networks</p>
19:00-21:00	Welcome Reception by GISFI (Madras III)
LOTUS HALL	
13:00-15:00	<p style="text-align: center;">Selected Topics I <i>Rositsa Bateson</i></p> <p>Broadband Everywhere: Mobility Delivers on the Anytime, Anywhere Promise Mobile Applications for Aging Community without advanced telecommunication Infrastructure Eco Wireless Networks Integrated Satellite-Terrestrial Nav/Com/Gmes System for Emergency Scenarios</p>
15:00-15:30	Coffee break (The Grand Madras Foyer)
15:30-17:30	<p style="text-align: center;">Selected Topics III <i>Vinod Kumar</i></p> <p>Green Communications and Positioning by Integration of Adaptive and Distributed Beam-forming Technologies in Cognitive Radio Systems L^2 Orthogonal space-time code design for continuous phase modulation Information Content in Reflected Global Navigation Satellite System Signals MEMS-based Solutions for Wireless Communication and Vehicular Technology Applications</p>
19:00-21:00	Welcome Reception by GISFI (Madras III)
MADRAS I	
13:00-15:00	<p style="text-align: center;">Selected Topics II <i>Frank Reichert</i></p> <p>Wireless Market Trends - the Pull of "G" Forces On Global Challenges and Opportunities Driving ICT and Wireless Communication Variable frame rate analysis for speech processing Mitigating the impact of high interference levels on energy consumption in wireless sensor networks</p>
15:00-15:30	Coffee break (The Grand Madras Foyer)
15:30-17:30	<p style="text-align: center;">Special Session 4 Trends and Challenges in Hybrid Wireless Communications Systems <i>Octavian Fratu</i></p> <p>Context-aware Reconfigurable Interoperability for Vertical Handover in Wireless Communications Considerations over Implementing IEEE 802.21 on a Device Powered by a Mobile Operating System Demonstration of RIWCoS Platform for Future Heterogeneous Networks An Enabler of Interoperability in Heterogeneous Wireless Networks Interoperability procedures between access technologies using IEEE 802.21 RIWCoS: Possible Approach for the Reconfiguration of the Hybrid Wireless Access Networks</p>
19:00-21:00	Welcome Reception by GISFI (Madras III)
JASMINE	
13:00-15:00	<p style="text-align: center;">Special Session 2 MIMO Antenna <i>Nobuo Nakajima</i></p> <p>An Array Antenna for MIMO Systems with a Decoupling Network Using Bridge Susceptances A Novel Compact Antenna for Broadband MIMO Mutual Coupling Cancellation for Compact MIMO Antenna with 3 dB Hybrid Simplified Configuration of Fading Emulator System for MIMO-OTA Testing Coverage Evaluation of 4 by 4 MIMO Base Station Antenna</p>
15:00-15:30	Coffee break (The Grand Madras Foyer)
15:30-17:30	<p style="text-align: center;">Special Session 4 Trends and Challenges in Hybrid Wireless Communications Systems <i>Octavian Fratu</i></p> <p>Context-aware Reconfigurable Interoperability for Vertical Handover in Wireless Communications Considerations over Implementing IEEE 802.21 on a Device Powered by a Mobile Operating System Demonstration of RIWCoS Platform for Future Heterogeneous Networks An Enabler of Interoperability in Heterogeneous Wireless Networks Interoperability procedures between access technologies using IEEE 802.21 RIWCoS: Possible Approach for the Reconfiguration of the Hybrid Wireless Access Networks</p>
19:00-21:00	Welcome Reception by GISFI (Madras III)



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Wednesday - March 2		
8:00-17:00	Registration (The Grand Madras Foyer)	
9:00-10:00	Keynote speech (Madras III)	
10:00-10:30	Coffee break (The Grand Madras Foyer)	
DHARANI HALL III		
<i>Technical Session 5</i> Next Generation Networks I <i>Pramod Varshney</i>	<i>Technical Session 6</i> Information Theory I <i>R. N. Jha</i>	
10:30-12:30	<p>Cyclostationary Analysis Method of Spectrum Sensing for Cognitive Radio A Cooperative Internet of Things (IoT) for Rural Healthcare Monitoring and Control Proposed Embedded Security Framework for Internet of Things (IoT) Self-Optimized Radio Resource Management Techniques for LTE-A Local Area Deployments A Fairness-Aware Resource Allocation for MIMO OFDM Based Wireless Multicast Systems On Network Properties for Design of Virtual Overlays</p>	<p>Performance of Super-Orthogonal Space-Time Trellis Codes over Nakagami Fading Channels Nonlinear Suppression Scheme Employing Transmit Power Control for MIMO-OFDM Systems Experimental Analysis of Fractionally Spaced Equalizers in Time and Frequency Domain Super-Quasi-Orthogonal Space-Time BPSK Trellis Coded OFDM System for Four Transmit Antennas Covered CDMA Multi-User Writing On Spatially Divided Image</p>
12:30-13:30	Lunch (The Grand Madras Foyer)	
<i>Technical Session 7</i> Next Generation Networks II <i>Hiroshi Harada</i>	<i>Technical Session 8</i> Information Theory II <i>Leo P. Ligthart</i>	
13:30-15:30	<p>Analysis of Secure Fast Roaming techniques with coexistence of 802.1x Increasing performance of ODMRP by using learning automata Analysis of Serving Discipline Algorithms for Cellular Networks High Quality Voice Calls on Mobile Communication Networks: A better user experience</p>	<p>Efficient and Secure Technique for Image Transmission over Wireless Channel Steg-OFDM blend for highly Secure multi-user Communication An Affine Projection Algorithm Based Transceiver Filter For MIMO Two-Way Relaying Scheme Performance Improvement of Free Space Optical MC-CDMA Communication System</p>
15:30-16:00	Coffee break (The Grand Madras Foyer)	
<i>Technical Session 9</i> Problem Based Learning <i>Anette Kolmos</i>	<i>Technical Session 10</i> Information Theory III <i>fred harris</i>	
16:00-18:00	<p>Foster Creative Engineers by PBL: a Case Study of Student Satellite Project (AAUSAT3) Evaluating the impact of a PBL-course for first-year engineering students Peer evaluation and Peer review to support PBL Teamwork Problem Based Learning in Indian Engineering Education: Drivers and Challenges</p>	<p>IR-UWB Transceiver for Communications and Ranging beyond 60 GHz Design of LC-VCO for Low Power Narrowband Electronic Applications Performance Degradation Due to Low Resolution ADC in IR-UWB Systems Simple Series From Formula of BER Performance for M-ary QAM/OFDM Signals</p>
19:00-22:30	Gala Dinner (Madras III)	
DHARANI HALL II		
<i>Special Session 5</i> Data and Information Management for Next Generation Networking <i>Der-Jiunn Deng</i>	<i>Special Session 6</i> Delivery of Next Generation Multimedia Services <i>Sofoklis Kyriazakos</i>	
10:30-12:30	<p>How to Find an Optimal Threshold for SSB Algorithm Cloud Partitions: Jurisdiction Issues in the Post-Internet Era Cloud Commons: Application of Creative Commons License and its Legal Disputes Learning Effectiveness of Science Experiments through Cloud Multimedia Tutorials CBDS: A Cooperative Bait Detection Scheme to Prevent Malicious Node for MANET</p>	<p>Delivery of eHealth and inclusion services for elderly people with mild dementia TeleHealth: Healthcare Technologies and TeleHealth Emergency (THE) System Collaboration of P4P and IMS: Solution to P2P Challenges Performance Analysis of IMS Signaling in Heterogeneous Access Networks</p>
12:30-13:30	Lunch (The Grand Madras Foyer)	
<i>Special Session 7</i> Security Protection Mechanism in Wireless Sensor Networks <i>Sipra DasBit & Amrita Ghosal</i>	<i>Special Session 8</i> Exploring the Deep Future of Biotechnology <i>Paolo Di Nardo</i>	
13:30-15:30	<p>Lossless Secure Transmission in Bluetooth Scatternet, Considering Device Mobility An Adaptive Neural Network Guided Random Block Length Based Cryptosystem Discrete Fourier Transform based Multimedia Colour Image Authentication Implementation of RSA Security Protocol for Sensor Network Security A Novel Security Scheme for Wireless Adhoc Network</p>	<p>An innovative Tool for Ad-hoc Networks Modeling Applied to Stem Cells Interaction ICT: an effective tool for Quality of Life and Biotechnology Nanomaterials in biomedical applications Functional Composite Scaffolds for Connective Tissue Regeneration Governing Stem Cell Fate through Inert Materials In-vitro Organ Models using Multi-Compartment Bioreactors</p>
15:30-16:00	Coffee break (The Grand Madras Foyer)	
<i>Special Session 9</i> Telehome care <i>Ole Hejlesen</i>	<i>Special Session 10</i> Radio Spectrum Allocations <i>Reza Tadayoni & Knud Erik Skouby</i>	
16:00-18:00	<p>Towards a Mobile Solution for Predicting Illness in Type 1 Diabetes Mellitus Telerehabilitation across sectors: the experiences of chronic obstructive pulmonary disease</p>	<p>Spectrum Trading: A hypothetical ideal? Digital Dividend and Spectrum assignment models Digital Dividend and Frequency Refarming in India Frequency Usage and Digital Dividend</p>
19:00-22:30	Gala Dinner (Madras III)	
MADRAS II		
Selected Topics IV <i>Asok Chatterjee</i>	<i>GISFI Special Session 2</i> Standardisation <i>N. K. Srivastava</i>	
10:30-12:30	<p>Label-free detection of Biomolecular Interaction - DNA - Antimicrobial peptide binding Green radio Over-the-Air Testing of Future Multi-Antenna Mobile Terminals Trend in cloud Security : A Telecom Perspective</p>	
12:30-13:30	Lunch (The Grand Madras Foyer)	
Selected Topics V <i>Luc Deneire</i>	<i>GISFI Special Session 3</i> Methods & techniques to improve spectrum usage efficiency <i>Pawan K. Garg</i>	
13:30-15:30	<p>Low Profile Ku/Ka Band VSAT antenna systems for mobile applications Wireless and Mobile communication; the Impact to Africa Hybrid/Integrated Networking for NGN Services IPv6 policy and implementation in India</p>	<p>Regulatory Methods & Techniques to improve spectrum usage efficiency Technology and Network Deployment solutions for enhancing spectrum efficiency Network Planning and Deployment for enhancing spectrum efficiency Public safety and Emergency Communications Some important factors impacting the efficiency of spectrum utilization</p>
15:30-16:00	Coffee break (The Grand Madras Foyer)	
Selected Topics VI <i>Tommi Jämsä</i>	<i>GISFI Special Session 4</i> Service Oriented Networks <i>Parag Pruthi & Ashutosh Dutta</i>	
16:00-18:00	<p>Mutual Information of Block-Faded MIMO Multiple Access Channels with Channel Estimation Error FPGA based FFT Algorithm Implementation in WiMAX Communications System Microstrip-to-Substrate Integrated Waveguide Aperture Couplers Performance Analysis of Switched Diversity over Correlated Ricean Fading channels</p>	<p>A Convergent Framework for QoS-Driven Social Media Content Delivery over Mobile Networks Infoshare: Content, Design and System Independent Multimedia Signage Architecture Personal Virtual Multimedia Library (PVML) in a Converged Network Service Continuity Support in Self-Organizing IMS Networks An Analysis of Routing Disruption Attack on Dynamic Source Routing Protocol</p>
19:00-22:30	Gala Dinner (Madras III)	

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Thursday - March 3	
8:00-17:00	Registration (The Grand Madras Foyer)
9:00-10:00	Grand Valedictory Ceremony (Madras III)
10:00-10:30	Coffee break (The Grand Madras Foyer)
DHARANI HALL III	
<i>Technical Session 11</i>	
Aerospace <i>Per Høeg</i>	
10:30-12:30	Statistical Re-acquisition Method for GPS Receivers on Satellites in Low Earth Orbit Aerospace Technologies to design Solar Thermodynamic System for Hydrogen Production High Altitude Platform System and Co-existence with Fixed Satellite Service in 5850-7075 MHz
DHARANI HALL I	
<i>Special Session 11</i>	
Security, privacy and trust in future applications <i>Vladimir Oleschuk</i>	
10:30-12:30	A Farewell to Trust: An Approach to Confidentiality Control in the Cloud Towards Role Mining with Restricted User-Role Assignment Securing Critical Infrastructure: A Semantically Enhanced Sensor Based Approach Security and Privacy in the Cloud A Long-Term View A Novel Intrusion Detection Algorithm for Wireless Sensor networks A Novel Model for Security Evaluation for Compliance
12:30-13:30	Lunch (The Grand Madras Foyer)
<i>Technical Session 12</i>	
Human Aspects of Communication <i>Peter Fojan</i>	
13:30-15:30	Feasibility Study of Filtering Algorithms for Low Cost Wireless Physiological Monitoring System Design of a Wireless Adapter for Multimedia Projectors Survey of Watermarking Techniques in Medical Images Pilot Project for Bridging Digital Divide in Rural Area Advanced Network Based Wireless, Single PMS for Multiple-Patient Monitoring
<i>Special Session 12</i>	
Cognitive Radio and TV White Space Operations <i>Dominique Noguet & Laurent Herault</i>	
13:30-15:30	TV White Space Standardization and Regulation in Europe Opportunities for White Space Usage in Australia TVWS regulation and QoS/MOS requirements Regulatory Aspects and Opportunities of TV White Spaces in India IEEE Dynamic Spectrum Access Networks (DYSPAN) Standards Committee
15:30-16:00	Coffee break (The Grand Madras Foyer)
<i>Technical Session 13</i>	
Vehicular Technologies <i>Enrico Del Re</i>	
16:00-18:00	An Analysis, Design and Precautionary Measure for Mobile Phone Accidents While Driving HE-30 Aluminum Ruggedised EMI Enclosure for GPS based Vehicle Tracking System A Review on Steer-By-Wire System Using Flexray Automatic Vehicle Registration System for Tollbooths
DHARANI HALL II	
<i>Workshop</i>	
Modern Application of Cognitive Radio	
10:30-12:30	
<i>Workshop</i>	
Application of IOT in Smart Grid	
13:30-15:30	
<i>Workshop</i>	
Problem Based Learning <i>Anette Kolmos & Erik Graaff</i>	
15:30-16:00	Coffee break (The Grand Madras Foyer)
<i>Workshop</i>	
IoT in Health Care Applications	
16:00-18:00	
MADRAS II	
<i>Selected Topics VII</i> <i>Jeevarathinam Ravikumari</i>	
10:30-12:30	Progress in Radioclimatological Modelling in Southern Africa Cognitive Radio and the Frequency Resource Protocol (FRP) Broadband Era: Socio Economic Impact on Emerging Markets Planning hybrid telecom networks for enhanced multimedia services
<i>MADRAS I</i>	
<i>GISFI Special Session 5</i> Business Models for Mobile Operators <i>T. R. Dua</i>	
10:30-12:30	
<i>GISFI</i>	
Standardisation Series Presentations and Discussions: Future Radio Network <i>Rajiv Mehrotra</i>	
13:30-15:30	Security Threats against Spectrum Sensing in Cognitive Radio Networks Standardisation for efficient introduction of new wireless technologies in high growth markets Synchronizing Digital Receivers Smart Device Communications/M2M - Opportunities & Challenges
15:30-16:00	Coffee break (The Grand Madras Foyer)
<i>GISFI</i>	
Closing Key Note Session <i>T. R. Dua</i>	
16:00-18:00	