

NEWS LETTER

2nd October, 2010 Volume 2 Issue 1



Special points of interest:

- GISFI has been invited by GSC-15 BEIJING.
- GISFI second series Standardisation meeting held at IIIT-Allahabad on 15-17 Sept
- Wireless Vitae 2011
- Standardisation tutorial at the ITU-T Kaleidoscope event on December 16, 2010 in Pune

GISFI SERIES MEET HELD AT IIIT ALLAHABAD ON 15-17 SEPTEMBER 2010



Prof. M.D. Tiwari, Prof. G.N. Pandey, Prof. Ramjee Prasad, Mr. Arun Golas, Dr. Ashok Chandra

The Second GISFI Standardisation Series Meeting held on Sept 15-17, 2010 in Allahabad, India and hosted by Prof M.D. Tiwari at IIIT-Allahabad, was very successful indeed. The meeting had a strong support from industry. With the joint effort and contributions from Ericsson, NEC, NIKSUN, TCS, VNL, WIP labs, the way towards the new GISFI standardisation process has been opened and paved. Further, the outcome of the Second GISFI standardisation meeting was enhanced by the dedicated effort of the many other

participants, GISFI members or individual, including representatives of the Indian academia and the Ministry of Information Technology and Communications, Government of India. The session on Spectrum Issues had extensive discussion on various relevant issues. It was appreciated by every one that this scarce resource must be used efficiently by all users. Also, regulation was the responsibility of the government agencies.

The contributing members are now working on producing a framework document and solutions document that will cater to the needs of seven major user communities within India including rural community which is perceived as the most important one to focus on. The working group will look into various operational and service aspects, such as control and

configuration management, context aware and self organizing networks, rapid service creation environment, information migration, end-to-end QoS, security, seamless mobility and co-existence with legacy applications. Based on the discussions that followed and suggestions from members, it was decided to focus on a few India-specific applications and create a solution requirement and uses case doc for each of the applications. The applications considered (in order of priority for Indian scenario) are e-Agriculture, e-Education, e-Health, Connected Home, Smart Grid and other Utilities, Intelligent Transportation System, Security / Safety / Surveillance, Banking and Industrial Machines. Finally, all six Standardisation Theme Chairman will organise individual Special Sessions on each of their respective topics to be included in the Technical Programme of the Wireless VITAE 2011, to be held on February 28-March 3, 2011 in Chennai, India.

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CHAIRMAN'S MESSAGE

It is my great pleasure to announce this month's newsletter that comes after a very successful Second GISFI Standardisation Series Meeting held on Sept 15-17, 2010 in Allahabad, India and hosted by Prof M.D. Tiwari at IIIT, Allahabad. The meeting had a strong support from industry and all the participants contributed to elevating the discussions higher to bring in an outcome of great significance for India and the worldwide ICT standardization activities. With the joint effort and contributions from Ericsson, NEC, NIKSUN, TCS, VNL, WIP labs, the way towards the new GISFI standardisation process has been opened and paved. By maintaining the continuity of the discussions on the six GISFI standardization topics, GISFI can begin to take a central role in the proper functioning of the internal Indian market, namely

harmonised standards help ensure the free movement of goods within the internal market and would allow enterprises in India to become more competitive on a worldwide scale. Hereby, I would like to call upon the GISFI members not to omit to examine how a proper framework of information and communications technology (ICT) principles could be developed with regard to the use of specifications that do not yet have the status of formal standards. Among others, GISFI should also examine whether differences between standardisation in the field of ICT and standardisation in other sectors might give rise to new, yet, unidentified challenges. Further, the GISFI effort should aim to create the necessary standardisation infrastructures to allow for full and effective

participation in the Indian standardization of all relevant players. Given the impact of standardisation on society, the public authorities have a legitimate interest in this field. In this context, GISFI would aim to attract and enable public authorities to acknowledge the strategic importance of Indian ICT standardisation and to maintain a stable and transparent legal, political and financial framework in which the GISFI work can further evolve. I am confident that the GISFI members and key people would continue to give their commitment to align the Indian and international standardisation, in order to introduce standards-receptive regulatory models and to promote coherence between Indian national and international standards.



Prof. Ramjee Prasad
Chairman GISFI



K. Sridhara
Director General

PAST EVENTS :

- GISFI has been invited to attend the Global Standards Collaboration (GSC-15) event, <http://gsc15.ccsa.org.cn>, to be held in Beijing on August 30-September 2, 2010.
- AWF-9 meeting was held in Seoul to discuss the harmonization of 698 MHz-806 MHz band for Region 3 countries.
- The second GISFI Standardisation Series meeting was held at IIT
- Allahabad on 15-17 September 2010.

List of members and strong supporters (category & alphabetically)

Corporate Premium

- NEC, Japan
- NIKSUN Inc, USA

Corporate Member

- Ericsson India Pvt. Ltd.
- Motorola
- Tejas Network Ltd.

Institutional

- COAI, India
- IIT, Allahabad
- IIT, Hyderabad
- Sinhgad Institute of Technology, Lonavala
- Vihaan Networks Ltd.
- Wireless Innovation Platform Labs

Strong Supporter

- TEC/DoT

While congratulating all the delegates that participated in the Second GISFI Standardisation meeting held at IIT-Allahabad campus between Sep. 15 to Sep. 17 for doing serious business to take forward the goals set forth by GISFI in the Delhi meet, I have a special mention about the superior arrangements for stay and venue meet made by our host Director IIT-A Prof. M.D. Tiwari and his dedicated staff members to make it a memorable event. The member companies Ericsson, NIKSUN, NEC, TCS and VNL were presenting their reports on topics like Internet of Things (IoT), Green ICT (Energy), Services Oriented Network (SeON), Cyber and food security and Quality of Service (QoS). The action points were well defined by each topic chair and Technical working Groups were right on their job. The delegates also got an opportunity to visit Triveni sangam where the Ganga and Yamuna

meet in confluence. The three days meeting at Allahabad was a very successful event widely covered by press and media. On the concluding day the Allahabad District Commissioner Sh. Jagan Mohan won the acclaims of the audience by his wit and wisdom. Its time to prepare ourselves for the upcoming event, Kaleidoscope 2010, Pune sponsored by Sinhgad Technical Education Society, Pune. Starting on 13th Dec. and concluding on 16th Dec. the five days event covers a wide range of Topics including IPTV. The third Standardisation meeting of GISFI will also be held during the event. The ITU experts have also arranged for a Standardisation tutorial to GISFI members. The world is taking us in right perspective. We will make it happen again in Pune. All are cordially invited for the Kaleidoscope 2010 and join GISFI for mutual benefits.

GISFI NEWS

- Prof Ramjee Prasad, Chairman, GISFI has attended the Global Standards Collaboration (GSC-15) event, <http://gsc15.ccsa.org.cn>, held in Beijing on August 30-September 2, 2010. The GSC-15 meeting in Beijing has been very fruitful and productive in connection with GISFI.



- Mr T R Dua, Vice Chairman, Governing Body, GISFI, has attended AWF-9 meeting held in Seoul to discuss the harmonization of 698 MHz-806 MHz band for Region 3 countries. The Out come of the meeting was very successful, as only

two band plans will be included in the forthcoming meeting of ITU R WP5D meeting, for further discussions and once agreed the ITU document 1036 M which outlines the band plans for all the bands would be carried through in the March 2011 ITU R meeting for finalization and to be adopted by all the member countries.

- The GISFI's second Standardisation Meeting presided by the founder Chairman of GISFI Prof. Ramjee Prasad. He cited the international recognition of GISFI as a standardisation body by ETSI, ARIB, ITU, European Commission and CJK for representing the aspirations of Indian Industry and consumers within a short span of its existence of one year.

• Spectrum issue:

Chairman: Mr. Pawan Garg,

Vice Chairman: Prof. Ramesh Chandra,

Panelists: Prof. V. Sinha, Prof. Ashok Chatterjee, Mr. Pant & Dr. Sanjay Kumar,

Secretary: Dr Sanjay Kumar.

The session on Spectrum Issues had extensive deliberation on various relevant issues such as:

Interference Management, Reforming of the spectrum bands, Finding feasibility of spectrum sharing, Effective monitoring and management, Efficient economic utilization, Affordability for rural segment, Conflict resolution, Spectrum use with QoS requirements, Creating a platform for cooperation among operators, manufacturer, academicians and other stake holders. The chairman said that he has tried to seek the view of

all the operators within the participants; however he can involve all other operators as well.

• Internet of things:

Chairman: Mr. Debasis Bandyopadhyay,

Vice Chairman: Mr Arpan Pal

Panelists: TCS, NEC, Ericsson, VNL, NIKSUN, SIT, I4CT, IIT-A, LNMIIT,

Secretary: G. Rama Chandra Reddy, NEC

The Internet-of-Things (IoT) working group meeting in GISFI started with presentations from TCS, NEC and Ericsson. All presentations focused on the possible application areas of IoT, especially from Indian context and possible technology areas that can be taken up for standardization focus.

•Service Oriented Network:

Chairman: Dr. Parag Pruthi, NIKSUN,

Vice Chairman: Dr. Ashutosh Dutta, NIKSUN,

During GISFI meeting in Allahabad, there were four contributions. Vice Chairman of the working group Dr. Ashutosh Dutta led the discussion by showing how convergence of IMS (IP Multimedia Service), Web 2.0 and SoA (Service Oriented Architecture) can lead to the classic service oriented network and will help deliver flexible services to the end users. Basavaraj Hooli from Mphasis discussed the optimized information management aspects of service oriented network that will expedite the data migration for services such as wireless number portability (WNP). Dr. Anand Prasad from NEC and Dr. Jaydip Sen from TCS discussed the security, identity and location aspects of the Service Oriented Network. Dr. Anand Prasad stressed that GISFI should work on security, identity and location aspects while developing the framework and solution document. Dr. Jaydip's presentation was focused on VoIP threat analysis and different types of solutions to counter these threats. During the meeting it was highly recommended that the working group members and contributors do a thorough gap analysis with the existing standards organizations such as ATIS and 3GPP and then develop any framework and solution document keeping in mind the Indian needs and requirements (e.g. Rural

Community). Following are the deliverables for December GISFI meeting: SeON Framework document.

Rapporteur: NIKSUN, Contributors: VNL, TCS (Business Models and Architecture)

Rapporteur: NIKSUN, Contributors: VNL, TCS, NEC (Security)

Rapporteur: TCS, Contributors: NEC, VNL, NIKSUN, Gap analysis with other SDO

Rapporteur: NIKSUN, Contributor: Ericsson

Information Management, Rapporteur: Mphasis

• Future Radio Access Network:

Chairman: Mr Rajeev Meherotra, VNL

Vice Chairman: Mr Krishna Shirohi, VNL, Mr Girish Gupta, VNL

Contributors: Ericsson, VNL, NEC, TCS and IIT-A agreed to be contributors for future work. All members present participated very actively and the following issues were resolved: The name of the Study group is changed from "Future Radio Access technology" to "Future Radio Access Networks". Major foundation for defining the study work plan was agreed to be based on the "Future Radio Access Network Program". It was decided to define the program with holistic approach with focus on: Energy Efficiency, Cost effectiveness, Suitable for rural deployment and sustainable operation, Performance efficiency at every level, Component, Node, Network, Multi Radio Technology capitalizing on their best characteristics to meet total telecom need.

• Special interest Group: Chairman: Mr Krishna Shirohi

All members present participated very actively and the following issues were resolved:

ICT and Food-Security: SIG chairman presented on new topic, "ICT and Food Security", to be taken up for further study and consideration. The purpose of the presentation was to discuss the issues related to the food security, severity of the problem

food security in global and Indian context, its relation with ICT and its relevance of "ICT and Food Security" for GISFI standardization. Potential areas of ICT in the field of "Food Security" have been presented. e-Agriculture is agreed to be taken up as first area for study under this topic. Dr. G.N Pandey from IIT, Allahabad and Prof. Inamdar from SIT, Lonavala agreed to take lead the study on e-Agriculture under this SIG topic.

Cyber Security for Children: This topic was also decided to be taken up under SIG. Team from IIT, Allahabad presented a new study topic. It was agreed to work further on this topic and make it part of Security SIG. Apart from IIT-A, teams NEC, TCS and I4CT will also work on this new topic. It has been decided that this subject will be further taken under the existing Technical Working Group (TWG) on Security, under leadership of Dr. Anand Prasad of NEC.

SIG-Security: In absence of Mr Dua, Dr Anand presented COAI paper on security. The meeting decided that SIG-Security TWG should continue in the current arrangement and the same aspect will be reviewed again in the next GISFI meeting.

SIG-QoS: The outcome of the study activity may come out as useful technical mechanisms to be adopted by policy maker either in Service Definition or in defining "Service Obligation Levels" expected from the service providers. Impact of inferior network characteristic on QoS will be same in the urban high density network as well. The impact on services as perceived by user will be defined to create differentiated services offering. A team to work further on QoS topic was formed. Team includes people from NIKSUN, TCS, IIT-A, NEC, VNL, I4CT and Mphasis.

• Green ICT: Chairman: Dr. Anand Prasad, NEC, Japan.

Concerns about global climate change, increased emissions, and the depletion of natural resources have led to a growing

awareness of how our energy needs are met and the potentially adverse consequences for the environment. ICT can play significant role in reducing GHG emission and preventing climate change. In GISFI#2, the Green ICT group received several input documents that led to good progress especially for the 2nd and 3rd deliverables listed above. It was decided that the 4th deliverable will be kept for the time being but it will be discontinued if no input is received in future meetings. During the morning session, chaired by Ericsson, it was decided to send Liaison Statements (LSes) to other standardization bodies to get information about their activities. It was also decided to prepare use cases by next meeting on (1) Power sector (2) Transportation (3) Manufacturing (4) Agriculture (5) E-Education and (6) Data-Center.

In the concluding session the Allahabad District Commissioner Sh. Jagan Mohan won the acclaims of the audience by his wit and wisdom.

Standardisation tutorial at the ITU-T Kaleidoscope event on Dec. 16th, 2010 in STS, Pune.

ITU Standardisation Tutorial, which will be given by Dr Gary Fishman (standardisation patent expert and former TSAG Chairman) and Dr Simao Campos (Counsellor, ITU Study Group 16) that is given especially for GISFI members. However, non-GISFI members can also attend the tutorial.



Sh. Jagan Mohan, Prof. M.D. Thwari and Prof. Ramjee Prasad

UPCOMING EVENTS

- 13-15 December 2010: ITU-T Kaleidoscope 2010, Beyond the Internet ? Innovation for the future networks and services will be held at STES, Pune, India.

GISFI meeting will be held in Pune on Dec. 13th-16th 2010

Organising Chair : Prof. Sandeep S. Inamdar

Venue : Sinhgad Technical Education Society, Narhe Campus, Pune, Maharashtra, India

- December 16, 2010 : Standardisation tutorial at the ITU-T Kaleidoscope event in STS, Pune.
- February 28- March 3, 2011: Wireless VITAE 2011, Chennai, India.

Important Dates:

October 30, 2010: Suggestions for workshop and panels

October 30, 2010: Paper submission

November 15, 2010: Acceptance notification

December 10, 2010: Camera ready submission

February 28-March 3, 2011: Conference.

- May 2011, date to be fixed, venue: Rajiv Gandhi University of Knowledge Technologies (RGUKT), Hyderabad; hosted by Prof RV Rajakumar, Vice-chancellor of RGUKT/IIT Kharagpur.



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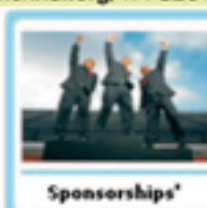
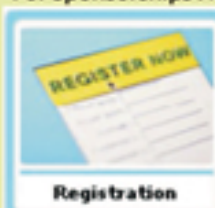
Wireless Vitae 2011

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. In case you encounter any issue during the paper submission process, you may contact wirelessvitae@es.aau.dk or alternatively +45 99407589. In case you encounter any issue during the paper submission process, you may contact wirelessvitae@es.aau.dk or alternatively +45 99407589.

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Application	Participants	Rapporteur	Contributors
e-Agriculture	TCS, SIT, IIIT-A, Suraj Supekar	TCS - Balamurali P	Suraj Supekar, SIT Prof. Inamdar, IIIT-A, Prof. Pandey
e-Education	TCS, IIIT-A, Suraj Supekar	TCS Arpan Pal	Suraj Supekar, IIIT-A Prof. Pandey
e-Health	NEC, TCS, SIT, LNMIIT, I4CT	NEC Anand Prasad	TCS Arpan Pal, SIT Prof. Inamdar, LNMIIT Prof. Sinha, I4CT - Prof. Inamdar
Connected Home	TCS, Ericsson, IIIT-A	TCS Arpan Pal Prof. Pandey	Ericsson Mini Vasudevan, IIIT-A
Smart Grid and other Utilities	Ericsson, TCS, IIIT-A, I4CT	Ericsson Mini Vasudevan	TCS Balamurali P, IIIT-A Prof. Pandey, I4CT - Prof. Inamdar
ITS	Ericsson, NEC, TCS Vasudevan	Ericsson Mini Balamurali P	NEC Anand Prasad, TCS
Security / Safety / Surveillance	NEC, Ericsson, IIIT-A, I4CT, NIKSUN	NEC - Viswa	Ericsson Mini Vasudevan, IIIT-A Prof. Pandey, I4CT - Prof. Inamdar, NIKSUN - Ashutosh Dutta
Banking	NEC, TCS	NEC - Viswa	TCS Arpan Pal
Industrial Machines	NEC	NEC - Viswa	

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b)	Corporate	300,000	6,151	4,313	500,000	10,251	7,188
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d)	Individual	5,000	103	72	2,000	41	29
e)	Student	1,000	21	14	500	10	7

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