

NEWS LETTER

2nd August, 2010 Volume 1 Issue 6



Special points of interest:

- GISFI is approved by Govt of India.
- GISFI series
- Standardisation meeting started.
- Ph.D. News

GISFI SERIES MEET HELD IN NEW DELHI AT ASHOK HOTEL ON 21-23 JUNE 2010



Mr. P J Thomas, Dr M D TIWARI,
Prof Satish K Tripathi,
Prof Ramajee Prasad, Mr. Rajeev Mehrotra

The world now acknowledges that the technological progress and innovations are long term drivers for economic growth, especially in a developing country like India. These views were expressed by Mr. P. J. Thomas, secretary, department of telecom and chairman telecom commission, government of india, during the opening speech at first global ICT standardization forum for india (GISFI)

standardization meeting, that was held over three days and hosted by the Indian Institutes of Information Technology, Allahabad on 21-23 June 2010. Prof. Ramjee Prasad, the founding chairman of GISFI said the future needs an effort on the development of radio systems for the delivery of true broadband services anytime and anywhere. Dr. Laxminath Dondeti, Qualcomm, Prof Knud Erik Skouby, Aalborg University, Denmark, and Dr. Ashok Chandra also spoke on the occasion.

IIIT-A director and programme chairperson Dr. M. D. Tiwari, in his address outlined the vision of the first

meeting. He said India plays an important role in the process of globalization in the field of communication technology industry and research and development. GISFI is an effort to create a new coherence and strengthen the role of India in the world standardization process by mapping the achievements in ICT outlining the future trends of Indian telecom industry. Dr Parag Pruthi of NIKSUN Inc. said that the rural subscriber's base has been growing substantially due to the greater focus of the telecom services providers on rural operations. The rural subscribers accounted for almost 30 percent of total subscriber base on December 2008. Five standards for Indian ICT world were approved at GISFI meeting during the concluding session.

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CHAIRMAN'S MESSAGE

It is my great pleasure to announce this month's newsletter that comes after a successful outcome of the First GISFI Standardisation Series Meeting that was held on June 21-23, 2010, in New Delhi, India. The meeting opened the road for proving the potential of GISFI and its importance for India, the latter was visible by the large attendance of the meeting by various Indian ICT stakeholders. GISFI is currently driving the standardization discussions in five areas important for India, namely: future radio access technology, Spectrum, Internet of Things (IoT), green energy and convergence. In addition, there is a GISFI Special Interest

Group that drives the discussions to specific subtopics in support of the main standardization themes. During the First GISFI Standardisation Series meeting, quality of service and security were particularly proposed as important special topics.

Standards are important both for industry and academia. Meeting international standards in all fields is a route towards the appropriate usage of standards relevant to the teaching/studying subject and field of specialization that can enrich the basic educational concepts and align them with the real engineering practice. Standardization comprises

technology, business and law and GISFI is an excellent focal point for joint discussions among the various stakeholders.

The discussions will continue in the GISFI follow-up meetings. The Second GISFI Standardisation Series Meeting will be held on September 15-17, 2010 in Allahabad, India. I am positive and optimistic that this meeting will be elevating the discussions higher to bring in an outcome of great significance for India and the worldwide ICT standardization activities.

I remain confident in the commitment and capacity of the GISFI members for making a difference in the ICT world.



Prof. Ramjee Prasad
Chairman GISFI



K. Sridhara
Director General

PAST EVENTS :

- GISFI is one of the consortium members of the partially EU-funded under FP7 project CASAGRAS 2. The kick off meeting was held on June 7th in Barcelona, Spain.
- The First GISFI Standardisation Series meeting was held in New Delhi at Ashok hotel on 21-23 June 2010.

List of members and strong supporters (category & alphabetically)

Corporate Premium

- NEC Japan
- Nixsun Inc (USA)

Corporate Member

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

Institutional

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

Strong Supporter

- TEC/DoT

I am happy to announce that the Department of Telecom, Govt. of India accorded recognition to GISFI as a Standardisation Body. The first of standardisation series meeting held at hotel Ashok during June 21-23 was a successful event acclaimed by all. Sh. P.J.Thomas, secretary, department of telecom gave a jump start to the occasion by sharing his views that GISFI should strengthen the ties among leading and emerging scholars from institutions and telecom industries in India and abroad to develop and cultivate research and development in ICT field so as to reduce the

digital divide among urban and rural population. The researchers from NIUSUN, USA, NEC, Japan, Ericsson, USA, secretary of ITU and academia and telecom industries from India have participated in the standardization meeting. I thank IIIT-A Director, Prof. M.D. Tiwari to host three days meeting. He continued as GISFI's valuable member by sponsoring the second standardisation meeting at his IIIT-Allahabad campus during Sep' 15-17. All are cordially invited to join GISFI membership and participate in the second standardisation meeting.

● GISFI NEWS ●

- Mr Rajeev Prasad, secretary GISFI participated in the CASAGRAS-2 kick-off meeting held on June 7, 2010 at Barcelona



The need for authoritative, on-going international cooperation in respect of the European agenda for taking the concept of the Internet of Things (IoT) to reality is pivotal in putting it into the global context it demands. CASAGRAS-2 provides the necessary conduit for taking the next steps in international collaboration. CASAGRAS-2 identifies a much broader base for international cooperation, with partners from Brazil, mainland China, Hong Kong, India, Japan, Korea, Malaysia and USA. The European partners are from Belgium, France, Germany, Russia and the UK. CASAGRAS-2 also identifies a group of experts to participate in the project that will target stakeholders based in Argentina, Belgium, Brazil, China, Denmark, Germany, India, Italy, Korea, Netherlands, USA and Russia.

- The First General Body (General Assembly) Meeting of GISFI was held at hotel



Ashok, New Delhi on June 21st 2010, at 12.00 pm immediately after the inaugural function of the GISFI's first standardization meeting presided by chief guest Sh.P.J.Thomas, secretary telecom and chairman telecom Commission. The founder chairman of GISFI Prof. Ramjee Prasad addressed the gathering and appreciated the hard work and persistence of GISFI's goal of integrating the Indian Research Institutions to usher in new innovation in ICT. He cited the international recognition of GISFI

as a standardization body by ETSI, ARIB, ITU and European Commission for representing the aspirations of Indian industry and consumers within a short span of its existence of ten months. He also brought before the assembly the current status of GISFI's membership in various categories.

● GISFI addresses the research and product development of ICT in India and provides a bridge towards the globalization of Indian achievements; the issues of technology, governance and development; and platform for raising awareness in the field of internationalization of higher education, supported by joint partnership with the government/policy-making circles. A strong global platform is the key to a successful standardization process that can benefit all user groups.

The major outcome of first series standardization workshop are as follows:



Dr. Ashok Chandra, Dr. Ashok Chatarjee, Prof Knud Scouby, Mr. P.K. Garg, Dr. Jaydip Sen, Dr. Laxminath Dondeti

- Proposal presentation from SIG chairman on the need, SIG mandate and the procedure has been adopted by the members.
- Technical Workshop Group on security (SIG-TWG-Security) has been agreed to be formed based on the proposal from NEC.
- Meeting decided not to take up the study within GISFI on the current ongoing procurement restrictions on telecommunication equipments on "security concerns".
- Technical Working Group on Quality of Services (QoS)(TWG-QoS) has been agreed to be formed based on the NISKUN proposal.
- Efforts should be made for release of spectrum in 700 MHz band (from terrestrial TV Broadcasting) and 2.5 GHz band (from satellite service) for IMT and IMT-Advanced applications. Representatives from

Broadcasting and Satellite systems should also be included in GISFI discussions, as they have an important role to play in any spectrum reframing/release.

- Various methods to enhance the spectrum usage efficiency of the existing wireless systems/usage should be analysed and discussed for implementation, along with their time frame. As far as new technologies are concerned these should invariably have the highest possible spectrum usage efficiency.
- The spectrum requirements and possible solutions should be coordinated nationally and then taken appropriately to international forums like ITU, etc.
- The issues relevant to IoT standardization: interoperability (radio access level, protocol level, semantic level and context level), security and privacy issues, device and system management issues, device/object identity-related issues, regulatory issues, application deployment issues. It was also pointed out that IoT will have different industry vertical specific use cases such as in education, healthcare, home, supply chain, transportation, energy and utilities, manufacturing and process industries.
- So far Mobile Networks are defined based on different Radio Access technologies and there are large no of Radio Technologies already exist. The GISFI's focus is required to come out with complete System Definitions utilizing the already existing suitable standardized technology components. In this process, the existing technology component may be required minor/major modifications to meet the specific system requirements, such standardization work also be carried out by GISFI with close collaboration with the relevant external SDO.
- Specific suggestions for the study, based on the meeting's agreements on ToR are invited for consolidation of initial activities formalization in terms of questions

definition with clear delivery and timeline objectives.

- GISFI Action: Promote innovation and research in India. Facilitate academic participation in GISFI, adopt the same patent policy, it will easy cooperation international SDOs participate to the ITU-T IPR adhoc group.

VALEDICTORY SESSION :

- Dr D K Agrawal, Advisor MCIT, Govt. of India , Mr. K Sridhara, director general GISFI, Prof. Ramjee Prasad and Dr. M. D. Tiwari spoken at valedictory session. Mr. K. Sridhara suggested that in IoT since it is difficult to identify any India-specific standardization issues, the group should focus on IoT standardization in general, and the standards that may be adapted to fit into different countries' requirement. In this way, the contributions in GISFI can be global too while remaining India-specific.



Mr K. Sridhara, Dr. M.D. Tiwari, Prof Ramjee Prasad, Dr. D.K. Agrawal

- Five Days International Workshop on "Air Interface Design for Future Wireless Systems - Towards Real 4G and Cognitive Radio"

A Five Days International Workshop on "Air Interface Design for Future Wireless Systems - Towards Real 4G and Cognitive Radio" was held from 28th June to 2nd July 2010 at Sinhgad Academy of Engineering, Kondhwa (Bk), Pune in association with GISFI, CTIF-Global



Dr. S.M. Gaikwad, Dr. S.S. Inamdar, Dr. S.N. Navale, Prof. Ramjee Prasad, Dr. A.Kharat

(Centre of TeleInfrastruktur), Aalborg University, Denmark. The workshop was arranged in focus to provide the platform for PhD students interested in PHY and MAC layer design, academic and industry researchers, system developers, interested in design and development of future broadband systems. There was an over-whelming response for the workshop as more than 90 participants from industry and academic across the country actively participated. The participants had a great opportunity to listen and interact with eminent personalities like Prof. Ramjee Prasad, Assoc. Prof. Flemming Bjerre Frederiksen, Dr. Nicola Marchetti and Dr. Suvra Sekhar Das. The participants were also benefited with hands on sessions by renowned resource persons.

- Prof Ramjee Prasad has participated at teh ITU's First ever Interoperability Event.



The participants of the first IPTV Interop 2010 meeting

Governing Body members of GISFI , elected in AGM held on 21 June 2010 at hotel Ashok, New Delhi are as follows:

Chairman	: Prof Ramjee Prasad, CITF, Aalborg, Denmark
Vice chairman	: Mr T R Dua, COAI
Member (Trustees:)	: Dr S S Inamdar, SIT, Lonavala
Member (Corporate Premium)	: Dr Prag Pruthi, Mr Manish Purvar, NIKSUN
Member (Corporate Premium)	: Dr Anand Prasad, Dr Amardeo Sharma, NEC, Japan
Member (Corporate)	: Dr. Ashok Chatterjee, Dr Mini Vasudevan, Ericsson
Member (Corporate)	: Mr Vinod Kumar, Tejas Network Ltd.
Member (Institutional)	: Mr Rajeev Meherotra, Mr Sanjeev Kakkar, VNL,
Member (Institutional)	: Dr M D Tiwari, IIIT-A, next senior person
Member (Institutional)	: Dr U B Desai, IIT, Hyd

UPCOMING EVENTS

- September 15-17, 2010, venue: IIIT-Allahabad. The meeting will be hosted by M.D. Tiwari, Director IIIT, Allahabad.
 - 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.
- Important Dates:**
- April 30, 2010: Submission of full paper proposals
 - July 30, 2010: Notification of paper Acceptance
 - September 10, 2010: Submission of camera -ready accepted papers
- Accepted papers will be presented during the event, published in the proceedings and made available through the IEEE Xplore.
- February 28- March 3, 2011: Wireless VITAE 2011, Chennai, India.
- Important Dates:**
- September 1, 2010: Suggestions for workshop and panels
 - September 1, 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/IIIT Kharagpur.



PH.D. ANNOUNCEMENT

Under this Proposal, second batch of 20 Engineers/Engineering faculty members all over India may take admission to three years Ph.D. Programme at Aalborg University, Denmark. This is part time Programme, Candidate will stay there for three months per year. This Programme will Start from 1st November,2010. Ph.D. environment is within two thematic areas of GISFI (Global ICT Standardization Forum for India)

Convergence

Green Energy

Although this is very highly subsidized and enriched programme, the enrollment tuition fee is 35000dkk annually. In addition, lodging, boarding and travel charges will be extra. The important dates are as follows:

- Deadline for announcing the PHD advertisement is July 22, 2010.
- Deadline for receiving the applications is August 15, 2010.
- Deadline for receiving the selected applications of the potential candidates with full required documentation (i.e. copy of degree(s), CV, PhD proposal copy etc.) in Aalborg is August 30, 2010.
- Deadline for announcing the final selection of candidates is September 13, 2010.
- Deadline for the invitation letter for obtaining the visa is September 20, 2010.

Chair persons of Standardization Group

In the first series standardization meeting was held at new Delhi from 21 June to 23 June 2010. All the presentations given by Chair persons are available on www.gisfi.org. For further communication the email id of chairpersons are given as follows:

- Special Interest Group: responsible person, Krishna Sirohi.
krishna.sirohi@vnl.in
- Spectrum Group: responsible person, P.K. Garg.
pawan.garg@ties.itu.int
- Internet of Things: responsible person, Debasis Bandyopadhyay.
debasis.b@tcs.com / arpan.pal@tcs.com / jaydip.sen@tcs.com
- Future Radio Access Technology: responsible person, Rajiv Meherotra.
krishna.sirohi@vnl.in / sanjeev.kakkar@vnl.in
- Convergence: responsible persons, Parag Pruthi/Manish Purwar.
parag@niksun.com / manishp@niksun.com
- Green Energy: responsible person, Anand prasad.
anand@bq.jp.nec.com

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c)	Institutional	100,000	2,050	1,438	200,000	4,100	2,875
d)	Individual	5,000	103	72	2,000	41	29
e)	Student	1,000	21	14	500	10	7

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