

## NEWS LETTER

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Volume 1

Issue 2



### Special Points of interest :

- MoU with ARIB
- Pre Standardization workshop
- 11 Ph. D. Registered

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## Unifying Standardization efforts in India

One of the primary objectives of the GISFI is to harmonize the standardization efforts within the Indian market and work in close cooperation with all standardization bodies. This would result in improved competitiveness within companies and create conducive investor-friendly environment. GISFI will provide a platform for discussion where issues related to standardization will be deliberated, information exchanged and knowledge shared among companies. GISFI on reaching consensus among other bodies will appropriately frame the draft standards under term "GISFI-Standard" and then forward

to appropriate bodies for ♦ Consulting and assisting relevant governmental bodies.

GISFI's effort will be directed towards addressing the specificity of the Indian market and the larger Indian population to reduce the digital divide and keep them abreast of future scenarios.

GISFI will also aim at becoming an information centre for ICT activities in India with the following missions.

- ♦ Defining the emerging technologies and future research direction to enable an ever growing development of ICT in india
- ♦ Launching research projects

Once the standards are approved by the appropriate bodies, GISFI will make all efforts to promote them by way of organizing national and international workshops, seminars and conferences, besides cooperating with other similar bodies. So that these finally are accepted as international standards.



GISFI Office, Lonavala

## Chairman's Message

It is indeed my immense pleasure to welcome you to the second issue of the GISFI Newsletter. After the publication of the first newsletter, 3 new members joined GISFI, namely, Indian Institute of Technology, Hyderabad, Ericsson, India Pvt. Ltd and Sinhgad Institute of Technology, Lonavala. There are several other industries that are having discussions with us for joining GISFI. Further, a letter of interest has been signed between GISFI and ARIB in Tokyo, Japan on 15th October 2009. A significant achievement has happened by inaugurating GISFI PhD programme on Thursday, 26th November 2009 in Aalborg, Denmark. 11 PhD Fellows have come from India to carry out research in the field of Internet of Things. I am quite confident that they will generate many novel ideas that will move GISFI towards its goal. Finally, the first Book on GISFI is almost ready and will be available during the First GISFI Standardization Event on 26-28th February 2010 in Lonavala. I would like to invite you all to attend the GISFI Pre standardization event on December 13-15, 2009 in Kolkata. Looking forward to welcoming you in Kolkata..



Prof. Ramjee Prasad  
Chairman GISFI



**K. Sridhara**  
Director General

## From Director General Desk

It is needless to say, the world tomorrow will be driven by Intellectual Property Rights (IPRs) and economy developed by such products. When one starts thinking why India is not doing very well in IPRs and product development, it appears that the roots lie in the education system. Lack of innovations in the system, Patent based research in the Universities and colleges and the so called gap in Industry and academia are the feathers today. GISFI proposed to work on these issues. The first batch of 11 candidates has reached Aalborg for their research in the area of Internet of Things. They will display their preliminary results in the workshop on Feb 26<sup>th</sup>-28<sup>th</sup> February, 2010. The memberships also are growing. I welcome Ericson India Pvt. Ltd, IIT, Hyderabad and Sinhgad institute of technology, Lonavala. I congratulate them on joining GISFI. I appeal all industries to participate in this mission of nation development, professionally.

### Past Events

*Ericsson India Pvt. Ltd.  
IIT Hyderabad &  
S. I. T. Lonavala  
Joined GISFI*



Prof. Ramjee Prasad, GISFI Chairman &  
Mr. Masayoshi Wakao, ARIB Secretary General and  
Senior Managing Director.

GISFI signs letter of agreement with Association of Radio Industries and Businesses (ARIB), Japan on October 15, 2009.

#### List of Members

- 1) **Niksun Inc (USA)**  
Corporate Premium Member
- 2) **Vihaan Networks Ltd.**  
Institutional Member
- 3) **Wireless Innovation Platform Labs**  
Institutional Member.
- 4) **Ericsson India Pvt. Ltd.**  
Corporate Member.
- 5) **IIT Hyderabad**  
Institutional Member.
- 6) **Sinhgad Institutes of Technology, Lonavala**  
Institutional Member.



President of Aalborg University,  
Prof. Finn Kjærdsdam has inaugurated GISFI PhD Programme on Thursday, 26th, November 2009.

#### L to R

Mr. Sachin Dilip Babar, Prof. Soren H. Jensen, Mr. Shivprasad P. Patil  
Mr. Kishor Puna Patil, Mr. Borhade Ravindra Honaji,  
Prof. Finn Kjærdsdam, Mrs. Vandana Milind Rohokale,  
Mrs. Dipashree Bhalariao, Ms Sulakshana Patil, Prof Ramjee Prasad,  
Mr. Parikshit Narendra Mahalle, Mr. Nandkumar P. Kulkarni,  
Mr Manohar Chaudhari, Mr. Madhukar M. Deshmukh (not in the picture)

### Upcoming Events

- GISFI Pre standardization Event on December 13-15, 2009 Kolkata
- 1st GISFI standardization Event on February 26-28, 2010, Lonavala

Tentative Program of the GISFI Pre-Standardisation Workshop

**Theme: - Future Generation ICT and Standards**

**Date: 13<sup>th</sup> December 2009, Venue : Institute of Radio Physics and Electronics, Calcutta University & CT IF- India**

## **GISFI NEWS :**

- ◆ Mr. T. R. Dua attended AWF-7 meeting during 23rd-26th September in Phuket, Thailand to discuss India's contribution on the frequency arrangement for UHF band 698 – 806 MHz and its harmonization for Region 3 countries. The meeting was attended by over 165 participants drawn from the complete Region – 3 countries. Indian proposal regarding the band plan of 698-806 MHz, which was largely based on NWG – 5 representations, was sent to WPC / DoT. There was a complete consensus of mobile industry in India. The Indian proposal was discussed in detail at the AWF-7 meeting although there were certain technical reservations amongst New Zealand, Telstra Corporation, China, Korea towards band plan of 698 – 806 (Indian proposal attached). The Indian Proposal is summarized below:  
"Considering that the FDD and TDD mixed band plan is not spectrum efficient in utilization, the mixed band plan option is not recommended. The possible options for a harmonized frequency arrangement in the 698-806 MHz UHF band are either FDD or TDD channelling plan, which would need to be based on optimum utilization of the spectrum, minimum complexity of the terminals, desired mobile eco system, so as to achieve low cost mobile broadband access and economies of scale".
- ◆ Professor S. S. Inamdar attended the kick-off meeting of partner institutions under the Erasmus Mundus, External co-operation window, Lot No. 11, Asia Regional, approved to SIT, Lonavala University of Kolkata in Brussels during 21st-23<sup>rd</sup> Oct.2009. The proposal sponsors 42 fellowship from European commission. For detail information visit: <http://www.erasmus.mobilityforlife.aau.dk>
- ◆ Dr. Ashok Chandra attended several meetings of ITU in Geneva, during 26<sup>th</sup>-30<sup>th</sup> October 2009. He has in detail, informal discussion regarding the various aspects relating to vision & scope of GISFI with Mr. Malcolm Johnson ( Director standardization ie T. Beuro ), Mr. Johnson has expressed his pleasure for this activity in India and further Prof. Ramjee Prasad has also detailed discussion with Mr. Johnson. Mr. Johnson consented to participate in first Standardization workshop to be held on 26th- 28 th Feb 2010 at SIT, Lonavala. He has further expressed his intension for organizing ITU Kaleidoscope in India during Dec 2010. He has expressed his willingness to close interaction and collaboration between GISFI and ITU-T.

## **GISFI Pillars**

### **Core Committee Member of GISFI**

- |   |   |
|---|---|
| 1) Prof. Ramjee Prasad; CTIF (Founding Chairman)                                | 7) Mr. Rajeev Prasad; WIP Labs (Secretary)    |
| 2) Mr. K Sridhara; Ex Member technology ICT (Govt. of India) (Director General) | 8) Prof. Shingo Ohmori; CTIF-Japan            |
| 3) Mr. T. R. Dua; COAI  | 9) Prof. Sandeep Inamdar; SIT - Lonavala      |
| 4) Dr. Debasis Bandyopadhyay; TCS   | 10) Mr. Ajay Mishra; Nokia Siemens Network    |
| 5) Dr. Ashok Chandra; Wireless Planning and Coordination (WPC), Govt. of India  | 11) Prof. B. A. Damahe; L & T                 |
| 6) Prof. Ole Brun Madsen; CTIF  | 12) Prof. Uday Desai; IIT Hyderabad           |
|   | 13) Mr. Munir Sayyad; Reliance Communications |
|   | 14) Mr. Arun Golas; TEC; Govt. of India.      |

### **Technical Group**

- |  |   |
|--|---|
| A) <b>Future Radio Access</b><br>Chairman : Mr. Rajeev Malhotra; VNL<br>Team Leader : Mr. B. A. Damahe, L & T                            | D) <b>Convergence</b><br>Chairman : Dr. Parag Pruthi; Niksun Inc<br>Vice Chairman : Mr. Manish Purwar, Niksun Inc<br>Team Leader : Mr. Munir Sayyad; Reliance |
| B) <b>Internet of Things</b><br>Chairman : Mr. Debasis Bandyopadhyay; TCS<br>Team Leader : Mr. P. Balamurali; TCS                        | E) <b>Green Energy</b><br>Chairman : Mr. Arun Golas; TEC; Govt; of India.<br>Team Leader : Mr. A. K. Nagpal; Sukam  |
| C) <b>Spectrum</b><br>Chairman : Mr. R. N. Agarwal, Mr. P. Garg; Ex. Wireless Adviser<br>Team Leader : Dr. Ashok Chandra; Govt. of India |   |

### **Topics of the registered PhD research; Theme : Internet of Things (IOT)**

1. Internet of Things Architecture for interoperability of heterogeneous networks
2. Cooperative Spectrum Sensing Technique in Cognitive Radios
3. Multi Radio access using Radio resource management for connectivity related to internet of things
4. Green Routing In Wireless Sensor Network
5. Embedded Security for Internet of Things
6. Evolving the Enabling Strategies for WSN Assisted Secondary User Cognitive Networks with Distributed Processing Capability.
7. Energy/Power – aware Management for Internet of Things
8. Battery-Aware Multi-Core Task Scheduling
9. Identity Management Framework for Internet of Things (IOT)
10. Secured and Energy efficient Data Fusion for IOT
11. Energy Efficient Authentication and Authorization for Multi-node Cooperative Connectivity and Reliability



## Benefits of Members :

**Global ICT  
Standardisation  
Forum for India  
(GISFI)**  
 Sinhgad Campus,  
 Gat No. 309/310,  
 Kusgaon (Bk.), Off.  
 Mumbai - Pune  
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Corporate - Premium category gets following promotional advantages

- \* Display of Corporate Logo on the back-drop in future events.
- \* One slot for a speaker in the events.

SL	Rights	Corporate Premium	Corporate	Institutional	Individual	Student
1	Use of GISFI Logo and membership status	Yes	Yes	Yes	Yes	Yes
2	Participation in general assembly, test events, seminars, workshops	Yes	Yes	Yes	Yes	Yes
3	Inclusion in mailing list for information about events	Yes	Yes	Yes	Yes	Yes
4	Online access to initial draft standard formulated by GISFI	Yes	Yes	Yes	Yes	Yes
5	Online submission of comments on initial draft standard formulated by GISFI	Yes	Yes	Yes	Yes	Yes
6	Receive quarterly GISFI-deliverables on DVD on concessional charges	Yes	Yes	Yes	Yes	Yes
7	Receive quarterly GISFI-deliverables on DVD free of charge	Yes	Yes	Yes	No	No
8	Representation in the Executive Council	Yes	Yes	Yes	No	No
9	Participation in technical committees, working groups	Yes	Yes	Yes	No	No
10	Voting rights in relevant specific technical issues	Yes	Yes	Yes	No	No
11	Support for implementation of standards	Yes	Yes	Yes	No	No
12	Request for formulation of a fresh standard	Yes	Yes	Yes	No	No
13	Display of Corporate Logo on the back-drop for the contribution year	Yes	No	No	No	No
14	One slot for a speaker in the events for the contribution year	Yes	No	No	No	No
15	Board Member for 1 year	Yes	No	No	No	No

## Membership

Sl	Category	Admission Fee			Annual Subscription		
		INR	\$	€	INR	\$	€
a	Corporate - Premium *	500,000	10,251	7,188	1000,000	20,502	14,376
b	Corporate	300,000	6,151	4,313	500,000	10,251	7,188
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	Students	1,000	21	14	500	10	7

Note : Global ICT Standardisation forum for India (GISFI) assumes no responsibility for the statements made and opinion expressed by speaker (s) and contributors. Printed and published by Prof. D. K. Singh on behalf of GISFI editorial board.