

The 2nd International Research Conference
on
Emerging Information Technology and Engineering Solutions (EITES 2015)
20-21 February 2015 | SCIT, Pune- India
Website: <http://www.scit.edu/eites2015/index.php>

Conference Report



In Collaboration

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Organised By: Faculty of Computer Studies, Symbiosis International University
Hosting Institute: Symbiosis Centre for Information Technology, Pune India
Email Contact: eites@scit.edu



Prelude

Faculty of Computer Studies (FoCS), Symbiosis International University in collaboration with School of Information Science and Engineering, Ritsumeikan University, Japan - Welcomes You All in the **2nd International Research Conference on Emerging Information Technology and Engineering Solutions (EITES 2015)** to be held at **SCIT, Pune, India** on **20-21 February 2015**. The conference intends to address the solution space that has been created and enriched by the research in emerging IT and associated engineering practices. All accepted & presented papers have been published in conference proceedings by **Conference Publishing Services (CPS)** and was submitted to **Xplore and CSDL**.

EITES 2015 brings researchers from industry and academia together to share the knowledge attained in specific areas of the field. The conference ensures presentation and discussion on quality research of recent times. Plenary sessions by recognized researchers and presentation of rigorously reviewed research papers are the major attractions for the research fraternity across industry and academia.

The **1st International Conference on Emerging Information Technology and Engineering Solutions (EITES 2012)** was held in **February 2012**. Some of the highlights have been:

- Address by Eminent Speakers.
- Quality Review Process was highly appreciated. Acceptance Ratio was 8.33.
- Proceedings were published in the special issues of American Journal of Engineering and Applied Sciences
- ((IJEAS), volume 5, issue: 3, 2012 by Science Publications.
- Three extended papers were published in International Journal of System Assurance Engineering and Management, volume: 3, Issue: 2, June 2012, Springer.
- Two extended papers were published in SCIT Journal 2012, volume: XII, August 2012.
- Tutorials on SCADA Systems and Business Intelligence; Round Table discussion on Emerging IT and Opportunities for India

EITES 2015 upholds the same quality and standard. All accepted & presented papers have been published in conference proceedings by **Conference Publishing Services (CPS)** and was submitted to **Xplore and CSDL**.

The 2nd International Research Conference

on

Emerging Information Technology and Engineering Solutions (EITES 2015)

ETES 2015

Acknowledgements

The whole team worked for a year to make EITES 2015 a reality. I take this opportunity to express our deep gratitude to all those who could make this happen. First of all, no words can express our gratitude to the Hon'ble Chancellor of Symbiosis International University, Dr. S.B. Mujumdar, and the Principal Director Dr. Vidya Yaravdekar for patronizing this event. We thank the Hon'ble Vice Chancellor, Dr. Rajani Gupte for her motivating advices we received at various junctures during the conference.

Our Source of inspiration and encouragement- Dean FoCS- Dr. R. Raman, Thank you very much, for giving SCIT, the privilege to hosts EITES 2015 and giving me the responsibility to take it forward. Your effort for collaboration with Ritsumeikan University, Japan was boon for EITES 2015.

We also would like to acknowledge our gratitude to Dr. Yoshio Nakatani & Dr. Hideyuki Takada for being instrumental and giving their 100% for the collaboration for EITES 2015.

Our deepest gratitude goes to the Steering Committee members - Dr. L. M Patnaik, Dr. A. K. Sarje, Dr. Marcelo Sampaio de Alencar, Dr. Ruck Thawonmas, Dr. Atsushi Ohnishi, Dr. Joo-Ho Lee, Dr. Chittaranjan Hota, Dr. Vinay Vaidya, and Dr Prasenjit Sen for their untiring efforts to shape the conference for a giant leap.

Our Pillars of Strength - General Chairs of EITES 2015 - Dr. Dhanya Pramod and Dr. Urvashi Rathod: A big 'Thank You' to both of you, for guiding throughout the year to make this conference happen. Your efforts and reputation helped us in getting IBM as Sponsor for this event and also Keynote speaker from IBM for this conference.

I wish to express my deepest gratitude to Prof Hideyuki Takada for being very humble and sensible Program Chair and Technical Programme Committee chair. He was very much instrumental in fetching excellent TPC members from Japan which made our review process very smooth.

Our Technical Programme Committee members and external reviewers have helped us with good as well as time bound reviews of papers. We were privileged to have them for EITES 2015 and thank them for the same.

The solicitation of full papers, submissions, reviews and results were totally done using the EDAS conference management system.

My special thanks all the Technical Program Committee members and reviewers for accepting our invitation to get associated with EITES 2015 and performing high quality time bound reviews. Your reviews helped us to select the best quality of papers in various emerging areas in IT.

EITES 2015 – Conference Report

We recognize the wonderful support of Publicity Chairs - Prof. SVK Bharathi, Prof. Apoorva Kulkarni, Mrs. Manjiri Bhosale; Sponsorship Chairs- Prof. Saravan Krishnamurthy, Prof. Anuradha Goswami; Publication Chairs- Prof. Pradnya Purandare; Financial Chairs- Prof. Sonal Joglekar, Mrs. Jyoti Joshi; and Local Arrangement Chairs- Prof. Shaji Joseph, Mrs. Savitha Nair, Mr. Suresh Kurnekar.

I thank all our distinguished speakers- Dr Mukesh Mohania, Dr. Hideyuki Takada, Dr. Chittaranjan Hota, Mr Raj Sahakari and Dr. G. S. Mani for being humble, benevolent and motivating. We all were inspired by your intellectual presentations which provided a platform for listeners about research leading to the upcoming technologies and engineering solutions.

I also thank the noble gesture of Mr. Bhawani Isahwar, IBM software Labs, & Mr. Mezjan J. Dallas, University Relation Leader, IBM India, for helping us in getting speaker from IBM and Dr. Hriskesh Venkatraman for getting the speaker from Tech Mahindra.

I are extremely grateful to Ministry of External Affairs, Ministry of Home affairs and Ministry of IT , Govt of India for providing Hassel free No Objection Certificate for organising this Conference and also for their appreciation for organising it.

Our sincere gratitude goes to all the researchers/authors who selected EITES over other conferences for submitting their research papers and showing confidence in us.

Big thanks to Conference Publishing Services (CPS) for publishing the EITES 2015 conference proceedings with special mention of Mr. Patrick Kellenberger, Ms Theresa McNeill and Ms. Lisa O'Conner. The quality assurance team of CPS also appreciated the review process and the paper acceptance ratio. Your effort also made the EITES 2015 Conference proceedings to get successfully submitted and available online at IEEE Xplore.

Last but not the least – the great facilitators of this event. I thank all members of the Faculty of SCIT for their continuous support and commitment to this cause of holding a good quality research conference. I also thank faculty members from SICSIR for actively participating in this event.

I thank our Systems Administrator Mr. Prashant Bhagat and his Lab team - Mr. Yogesh Sarwade, and Mr. Mangesh Katke. Thank are due to our Administrative Officer Mr. Suresh Kurnekar and SIC Admin officer Col Kadam for their untiring support. All staff members of SCIT have participated in accomplishing this event in several ways. I thank all of them.

Thanks are also due to Ms Vidyavati Ramteke for keeping the website updated and Ms Archana Pardeshi for arranging the logistics and hotel accommodation for the Speakers.

EITES 2015 – Conference Report

I also wish to express my sincere thanks to our professional designer – Mr. Sameer Singh for designing the CD cover of EITES 2015 for CPS and Mr. Tilak Patel for designing Baners, Registration Kit, Abstract Book, Badges, certificates, etc.

My special thanks to our Placement Officer, Ms. Savitha Nair whose extraordinary ability to lead the team of student volunteers is commendable. She meticulously planned and executed the event.

Apart from the hectic schedule of Evaluations they all worked smilingly shoulder to shoulder to make this conference successful. Eklavya Team- your performance was excellent- Thanks Ramesht for executing it so well in short notice and busy schedule.

The great assets of SCIT, our students who are bright, imaginative, patient, hardworking, committed and cheerful – I salute them from the core of our heart. I thank all attendees and our own students for making the whole interactions lively and worthwhile. I hope they all get benefited in one or the other way.

Once Again- Thank You all. See you in the next edition of EITES.

Happy Memories ...

Prof. (Dr.) Ajey Kumar

Program Chair -EITES 2015

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- **Prof. (Dr.) Chittaranjan Hota**, Department of Computer Sc. & Information Systems, Birla Institute of Technology & Science-Pilani, Hyderabad Campus, India.
- **Prof. (Dr.) G. S. Mani**, Former Director, & Dean, Institute of Armament Technology Pune, India.
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- **Dr. Zeeshan Ahmed**, University of Wuerzburg, Germany.

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ETES 2015

1. Introduction

Concept Note

Research conferences provide a platform to academicians, researchers, students, industry experts, analysts, managers and practitioners to come together and review the contemporary work happening in a particular discipline of knowledge. In general, institutes of higher education are considered to be the custodians of specific disciplines, and it becomes their prerogative to organize such conferences, publish journals and hold forums. Symbiosis Centre for Information Technology (SCIT) is offering only Post-Graduate programme in the field of Information Technology Management and thus, the institute is expected to create, assemble and disseminate knowledge in the relevant field of IT. SCIT fulfills this expectation by organizing International Conference once in three years, publishing a peer reviewed journal yearly and conducting several seminars / events every year.

The first International Conference on Emerging Information Technology and Engineering Solutions (EITES) was held on 17-18 February 2012. The second International Conference on Emerging Information Technology and Engineering Solutions (EITES) was organized on 20-21 February 2015. EITES 2015 brings researchers from industry and academia together to share the knowledge attained in specific areas of the field. The conference ensures presentation and discussion on quality research of recent times. Plenary sessions by recognized researchers and presentation of rigorously reviewed research papers are the major attractions for the research fraternity across industry and academia.

EITES 2015 upholds the same quality, standard and equivalent publication opportunities. All accepted & presented papers was published in conference proceedings by **Conference Publishing Services (CPS)** and was submitted to **Xplore and CSDL**.

Objective of the Conference

SCIT offers programme in Information Technology Business Management by bringing in Information Technology (IT) and businesses together. The topic of the conference must be relevant to the businesses in the domain of IT. The conference must be able to attract not only academicians, researchers and students but the businesses as well. We understand that the rapid pace, with which IT and related engineering is changing, has been intimidating for large as well as small businesses. The level of difficulty in decoding the power of technology and associated engineering may be varying for different businesses owing to their experience and expertise but one cannot overrule the sheer presence of difficulty. We find such efforts

relatively few, wherein, emerging technologies and their usage in businesses have been addressed with research perspective.

EITES aims to address the solution space created and enriched by the research work related to emerging IT and associated engineering practices. The scope of such research work is global and the conference is open to the International participants.

2. Inauguration



Lightening of Lamp



Felicitation of Dignitaries



Welcome Address by Dr. R. Raman



Address by Dr. Rajani Gupte



Address by Dr. Yoshio Nakatani



Address by Dr. Dhanya Pramod

The dignitaries at the inauguration ceremony were: **Dr. Mukesh Mohania**, *IBM Master Inventor & Distinguished Engineer*, India , **Dr. Yoshio Nakatani**, *Dean, Ritsumeikan University*, Japan, **Dr. Rajani Gupte**, *Vice Chancellor, Symbiosis International University*, Pune, India; **Dr. R. Raman**, *Dean, Faculty of Computer Studies, Symbiosis International University*, India; and **Dr. Dhanya Pramod**, *Director, Symbiosis Centre for Information Technology*, Pune, India

Inauguration started with Saraswati Vandana followed by lightening of lamps. All the dignitaries were felicitated by the Dean, FoCS. EITES 2015 welcome address was given by **Dr. R. Raman**, *Dean, Faculty of Computer Studies, Symbiosis International University*, India and he declared **EITES 2015 Open**. After the welcome address, dignitaries **Dr. Rajani Gupte**, **Dr. Yoshio Nakatani** and **Dr. Dhanya Pramod** also addressed the enlightened audience.

3. Speakers

Keynote Speaker



Dr. Mukesh Mohania

Keynote: Policy Management for Autonomic Data Management

Dr. Mukesh Mohania, *IBM Master Inventor & Distinguished Engineer*, India.

Dr. Mukesh Mohania is an IBM Distinguished Engineer and Chief Architect for Education Transformation area in IBM Research. He has worked extensively in the areas of Information Management and Autonomic Computing. His work in these areas has led to the development of new products and also influenced several existing IBM products. He has received several awards within IBM, such as "Best of IBM", "Excellence in People Management", "Outstanding Innovation Award", "Technical Accomplishment Award", "Leadership By Doing", and many more. He has published more than 120 papers and also filed more than 70 patents in these or related areas, and more than 30 have already been granted. He is an IBM Master Inventor and a member of IBM Academy of Technology. He is an ACM Distinguished Scientist and an IEEE Golden Core member.

Plenary Speakers



Dr. Hideyuki Takada

Plenary I: Instant Collaboration Environments using Tablet Terminals

Prof. (Dr.) Hideyuki Takada, *School of Information Science and Engineering, Ritsumeikan University*, Japan

Dr. Hideyuki Takada received the PhD degree in social informatics from Kyoto University. After working as a researcher at Mitsubishi Electric Corporation and Kyoto University, he is currently a professor at the Department of Computer Science, Ritsumeikan University. His research interests include distributed and collaborative systems, database systems and learning systems. He is also serving as a vice dean at College of Information Science and Engineering, Ritsumeikan University, in charge of international relationships.



Plenary II : Security Threat Monitoring in Large Scale University

Networks: Big-Data Analytics to the Rescue

Prof. (Dr.) Chittaranjan Hota, *Department of Computer Sc. & Information Systems, Birla Institute of Technology & Science-Pilani, Hyderabad Campus, India*

Dr. Chittaranjan Hota is currently Professor of Computer Science & Engineering and the Associate Dean (Admissions) at Birla Institute of Technology and Science-Pilani, Hyderabad Campus, Hyderabad. He is also serving as Unit Chief of Information Processing Division at BITS, Hyderabad. He served as the founding Head in the Dept. of Computer Science and Engineering at BITS, Hyderabad (2008-2012). He has a PhD in Networks and Information Security from the Dept. of Computer Science and Information Systems, BITS, Pilani, where he carried out part of his PhD work at Network Research Laboratory (NRL), University of New South Wales, Sydney, Australia. Prior to his PhD he has a Masters in Engineering (Computer Sc. & Engineering) from Thapar with First class (honors), and a Bachelors in Engineering (Computer Engineering) from Amravati (M.S) with First class (honors) in the year 1990. He has been at BITS-Pilani since past fifteen years. He has been a visiting Professor from two months to a semester at University of Cagliari, Italy; Aalto University, Finland; and City University, London. His research has been funded by University Grants Commission, New Delhi; Department of Information Technology, New Delhi; and Tata Consultancy Services, India. He is the recipient of Australian Vice Chancellors' award, recipient of Erasmus Mundus fellowship from European commission, recipient of Italian ministry of education fellowship, and recipient of Certificate of Excellence from Kris Ramachandran Faculty Excellence Award at BITS Pilani. He has published extensively in peer-reviewed journals and conferences. He has edited LNCS volumes. He is a member of IEEE, ACM, ISTE, and Institution of Engineers. He is also an executive member of Special Interest Group (SIG) on Big Data Analytics at Computer Society of India (CSI).



Plenary III: SDN & NFV – Key Trends in Network Transformation

Mr. Raj Sahakari, *Tech Mahindra, Pune, India*

In an industry career spanning 18+ years, **Mr. Raj Sahakari** has been working on evolving telecom technologies and has been responsible for providing thought leadership and technology consulting. He has worked in areas involving capacity enhancement of wireless networks, multimedia convergence in communication systems, content processing and distribution, customer premise equipment's as well as IPv6 technologies. Raj is a Principal Consultant

with Tech Mahindra and associated with the Network Technology Solution & Services group. He is currently focusing on Network Functions Virtualization (NFV) and Software Defined Networks (SDN) technologies.



Dr. G. S. Mani

Plenary IV: Swarm Intelligence – An exciting field for Research

Prof. (Dr.) G. S. Mani, *Former Director & Dean, IAT, Pune, India.*

Dr. G. S. Mani joined Defence Electronics Research Laboratory (DRDO) at Hyderabad in 1963 and worked on various projects related to Radar, Microwaves, Antennas and Electronic Warfare. In 1988, he moved to Institute of Armament Technology, Pune where he took up the task of formulating and conducting orientation programs on Defence Technologies for fresh engineering graduates joining DRDO. He was also associated with

Postgraduate degree programs on Advanced Naval Weapons, Tank Technology, Guided Missiles, Modelling & Simulation and other Defence-related technologies. He retired as Director and Dean of the Institute in 2002.

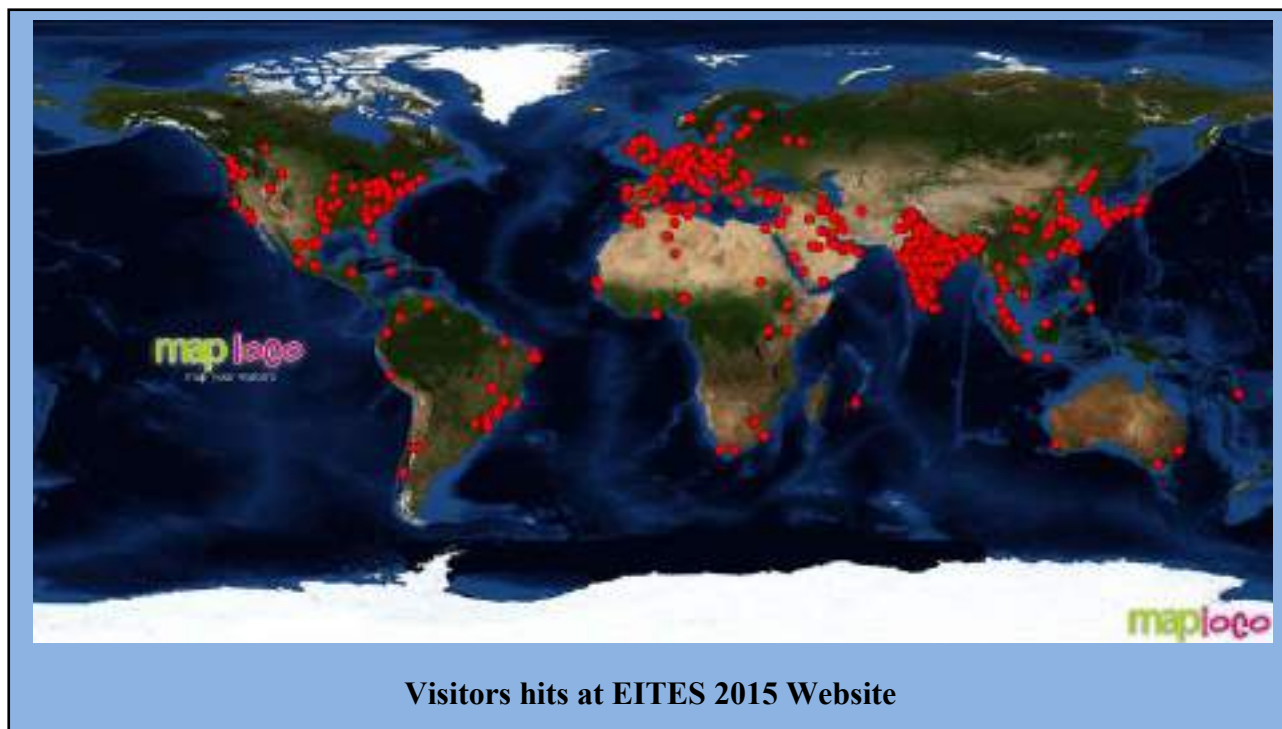
After retiring from DRDO, he served as Adviser to a leading Professional Institution for 1 year, Principal of an Engineering college for 2 years and Professor Emeritus for 6 years. He has guided 2 students for PhD Degree, and more than 40 students for M Tech Dissertation. He has been Examiner /Guide / Selection Panellist for PhD in many universities. He has authored more than 40 technical papers in International / National Journals/ conferences.

He has received Award from President of India for Import Substitution(1973), Prof. K. Sreenivasan Award of IETE for ‘Distinguished contributions in the field of teaching Electronics and Telecommunications’(1998), Excellence in Education/R&D Trophy presented by Governor of Maharashtra to IAT (1999), Appreciation Award from DEMA(2000). He was also felicitated by Prof. MGK Menon for Contributions to IAT. He is one of the first persons to file and obtain Indian Patents within DRDO in 1972.

Prof Mani is a senior member IEEE and Vice Chair of IEEE Pune Section. He is a Life Member of IETE and a Life Member SEMCEI.

His interests are varied from music to Spirituality. In his younger years he learnt classical music (violin), did PG Diploma in Russian and MA (Visharad) in Hindi. Recently, he did a PG Diploma course in ‘Environmental Law’ at the age of 72years. He is at present associated with a local NGO organisation. Apart from delivering lectures on different technical subjects, he is busy writing on ‘Science and Spirituality’.

4. Overall Response of the Conference



Our publicity method was able to bring hits from visitors across the globe. Around **8663 visitors** visited till date. Popular country wise hits are as follows:

Popular Countries	
India	7180
United States	408
Japan	313
China	70
Algeria	65
Germany	29
Brazil	28
Taiwan	27
Malaysia	24
Korea, Republic of	20

Iran, Islamic Republic of	20
Ireland	20
Morocco	20
Saudi Arabia	20
United Kingdom	18
Singapore	18
Pakistan	17
France	16
Vietnam	14
Kuwait	14
Europe	13

United Arab Emirates	13
Thailand	12
Spain	11
Ghana	11
Tunisia	10
Canada	10
Switzerland	9
Sri Lanka	9
Czech Republic	8
Bangladesh	8
Italy	7
Australia	7

Russian Federation	7	Jordan	2	Albania	1
Indonesia	7	Syrian Arab Republic	2	Bulgaria	1
Asia/Pacific Region	7	Macedonia	2	Greece	1
South Africa	7	Chile	2	Belize	1
Egypt	6	Sweden	2	Jamaica	1
Portugal	6	Nepal	2	Argentina	1
Philippines	6	Luxembourg	1	Sudan	1
Mauritius	5	Iraq	1	Senegal	1
Oman	5	Kenya	1	Norway	1
Mexico	5	Ecuador	1	Colombia	1
Poland	4	Croatia	1	Ethiopia	1
Hong Kong	4	Israel	1	Hungary	1
Turkey	4	Venezuela	1	Yemen	1
Austria	4	Qatar	1	Serbia	1
Belgium	3	Gambia	1	Latvia	1
Romania	3	Uganda	1	Malta	
Finland	3	Peru	1		
Netherlands	3	Estonia	1		
Nigeria	2	Vanuatu	1		

Authors by Country and Region (All Papers)

All authors of submitted papers are counted. Authors are counted once for each paper.

Country	Authors	%	Papers (1st author)	%
India	110	97.3	61	98.4
Japan	3	2.7	1	1.6
Total	113			

Region	Authors	%
Asia/Pacific	113	100.0
unknown	0	0.0
Canada	0	0.0
Latin America	0	0.0
Europe, Middle East, Africa	0	0.0
United States	0	0.0

Papers by Topic

Topic	Count
A. Unified Communication and Collaboration	7
B. Pervasive and Access Based Computing	1
C. Service Oriented Computing	11
D. Cloud Computing and Virtualization	6
E. Software Processes	11
F. High Performance Computing	7
G. Online Social Networks	7
H. Latest Emerging areas in Information Technology & Engineering Solutions	40

Submission & Review Process

- All paper submissions must be written in **English**.
- Please send your **original research work** related to the conference tracks. Papers should be **original** and **not submitted elsewhere** for publication.
- All papers must be **formatted in standard CPS 2-column format**..

- Only **Adobe PDF** files will be accepted for the review process. All submissions must be made electronically through **EDAS**.
- A **maximum paper length is of six (6) printed pages** including figures, tables and references using the CPS format without incurring additional page charges (maximum 2 additional page with over length page charge of USD10 per page if accepted). Papers **exceeding 8 pages** will not be accepted at EDAS.
- **Review Process** for the selection of papers will focus on the **technical quality** and **relevance** to the tracks.
- Each paper will be reviewed by **at least 2 reviewers** and **at most by 3 reviewers**
- Papers not following these guidelines will be **rejected without review** and further action may be taken, including (but not limited to) notifications sent to the heads of the institutions of the authors and sponsors of the conference.
- The **verdict of the reviewers shall be final** and no correspondence or appeals shall be entertained.

Research Metrics

- Total Paper Received: **87**
- Papers considered for Review: **56**
- Papers Accepted for presentation and Publication: **8**
- Acceptance Ratio: $8/56 = 14.28\%$

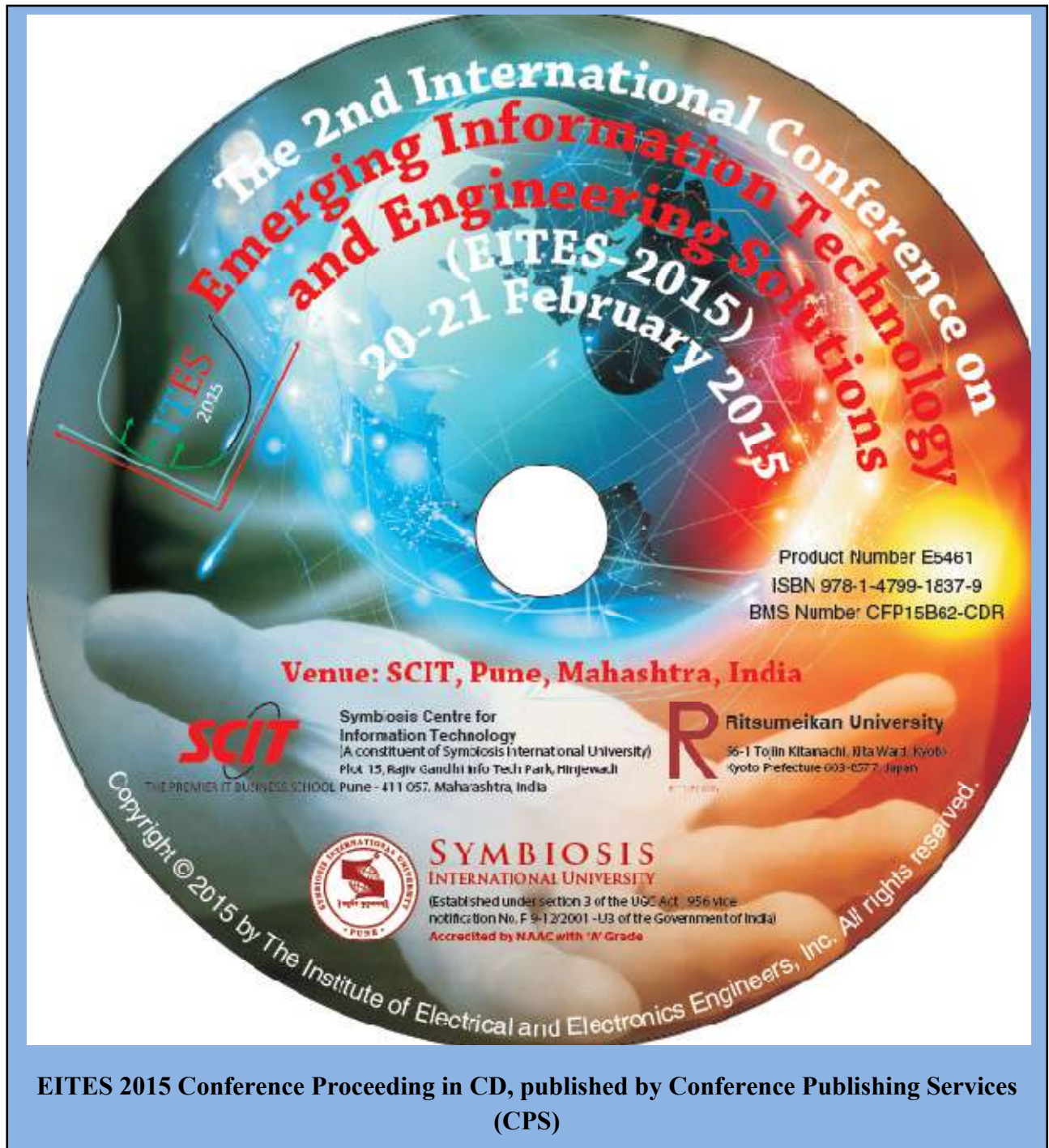
Authors by Country and Region (Accepted Papers)

All authors of accepted papers are counted, regardless of whether they are first, second, ... author. Authors that submitted more than paper are counted once for each paper.

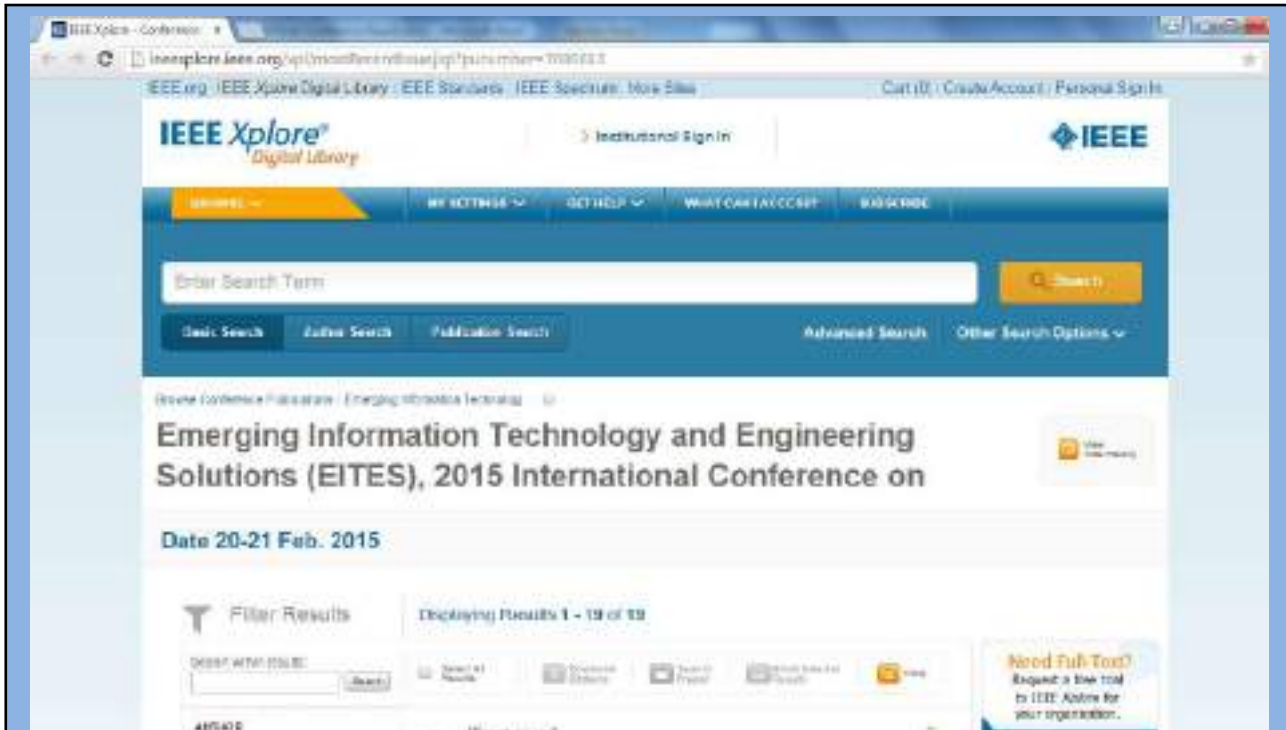
Country	Authors	%	Papers (1 st author)	%
India	14	82.4	7	87.5
Japan	3	17.6	1	12.5
Total	17			

Region	Authors	%
Asia/Pacific	17	100.0
unknown	0	0.0
Canada	0	0.0
Latin America	0	0.0
Europe, Middle East, Africa	0	0.0
United States	0	0.0

5. Conference Proceeding



EITES 2015 Conference Proceeding in CD, published by Conference Publishing Services (CPS)



EITES 2015 Conference Proceeding Online in IEEE Xplore

URL: <http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=7080813>

6. Paper Sessions

The paper presentations were divided into three sessions. The duration of each presentation was of 30 mins. Out of eight accepted papers, seven papers were presented and one didn't turn up citing personal reasons. Details of each session are as follows:

Paper Session I

2:30 PM- 4:00 PM, 20 February, 2015

Chair: Dr. R. Raman, *Dean FoCS, Symbiosis International University, Pune, India*



Mr. Nitesh Agarwal



Mr. Bang Hai Le



Mr. Terence Johnson

Non-Exclusive Clustering: A Partitioning Approach

Nitesh Agarwal, H. A. Ahmed and D. K. Bhattacharyya, *Heritage Institute of Technology Kolkata, Tezpur University Napalm, India*

Bounded-SVD: A Matrix Factorization Method with Bound Constraints for Recommender Systems

Bang Hai Le, Kien Quang Nguyen and Ruck Thawonmas, *Ritsumeikan University, Japan*.

Enhanced K-Strange Points Clustering Algorithm

Terence Johnson and Santosh Kumar Singh, *AMET University Chennai, Thakur College of Science and Commerce Kandivali (E) Mumbai, India*.

Paper Session II

11:30 AM-1:00 PM, 21 February, 2015

Chair: Dr. Yoshio Nakatani, *Dean, Ritsumeikan University, Japan*

Scalable Honeypot Architecture for Identifying Malicious Network Activities

Gokul Kannan Sadasivam and Chittaranjan Hota, *BITS-Pilani Hyderabad Campus, India*

Efficient LALRED for Congestion Avoidance using Automata-Like Solution

Shalu G. Mahajan, *MGM's College of Engineering Nanded, India*

Optimized Technique For Capacitated Minimum Forest Problem In Wireless Sensor Networks

Shwetal R. Jaiswal, *K. S. Institute of Engineering and Technology, Hingoli, India*



Paper Session III

3:00 PM-4:00 PM, 21 February, 2015

Chair: Dr. Hideyuki Takada, *Professor, Ritsumeikan University, Japan*



Heuristic-based Real-Time P2P Traffic Identification

Jagan Mohan Reddy and Chittaranjan Hota, *BITS-Pilani Hyderabad Campus, India*

Experiments in Encrypted and Searchable Network Audit Logs

Bhanu Prakash Gopularam, Sashank Dara and Nalini Niranjana, *Cisco Systems India Pvt. Ltd, IIIT-Bangalore, Nitte Meenakshi Institute of Technology Bangalore, India*

7. Best Paper Award

EITES 2015 had the Best Paper Award Category. The panel of judges was:

- **Dr. Yoshio Nakatani**, *Dean, Ritsumeikan University, Japan.*
- **Dr. Dhanya Pramod**, *Director, Symbiosis Centre for Information Technology, India.*
- **Dr. G.S. Mani**, *Former Director & Dean, IAT, Pune, India.*
- **Dr. Ajey Kumar**, *Symbiosis Centre for Information Technology, India.*

The prize amounts were:

- Best Paper Award (First): **Rs 15000.00**
- Best Paper Award (Second) : **Rs 10000.00**

The Parameters that were taken into considerations by the judges for evaluating each of paper presenters was: Clarity in Research Problem, Methodology – Robustness, Findings and Justification, Usefulness to the Discipline, and Overall Presentation. The results were:

Best Paper Award (First):



Bounded-SVD: A Matrix Factorization Method with Bound Constraints for Recommender Systems

Bang Hai Le, Kien Quang Nguyen and Ruck Thawonmas, Ritsumeikan University, Japan

Best Paper Award (Second):



Non-Exclusive Clustering: A Partitioning Approach

Nitesh Agarwal , H. A. Ahmed and D. K. Bhattacharyya, Heritage Institute of Technology Kolkata, Tezpur University Napalm, India

8. Valediction Ceremony

The valediction ceremony was the concluding event of EITES 2015. The certificates of presentation were given to each author who presented their papers. The Authors were honored with the certificates by **Prof. Dr. R. Raman**, Dean, FoCS, SIU, India.

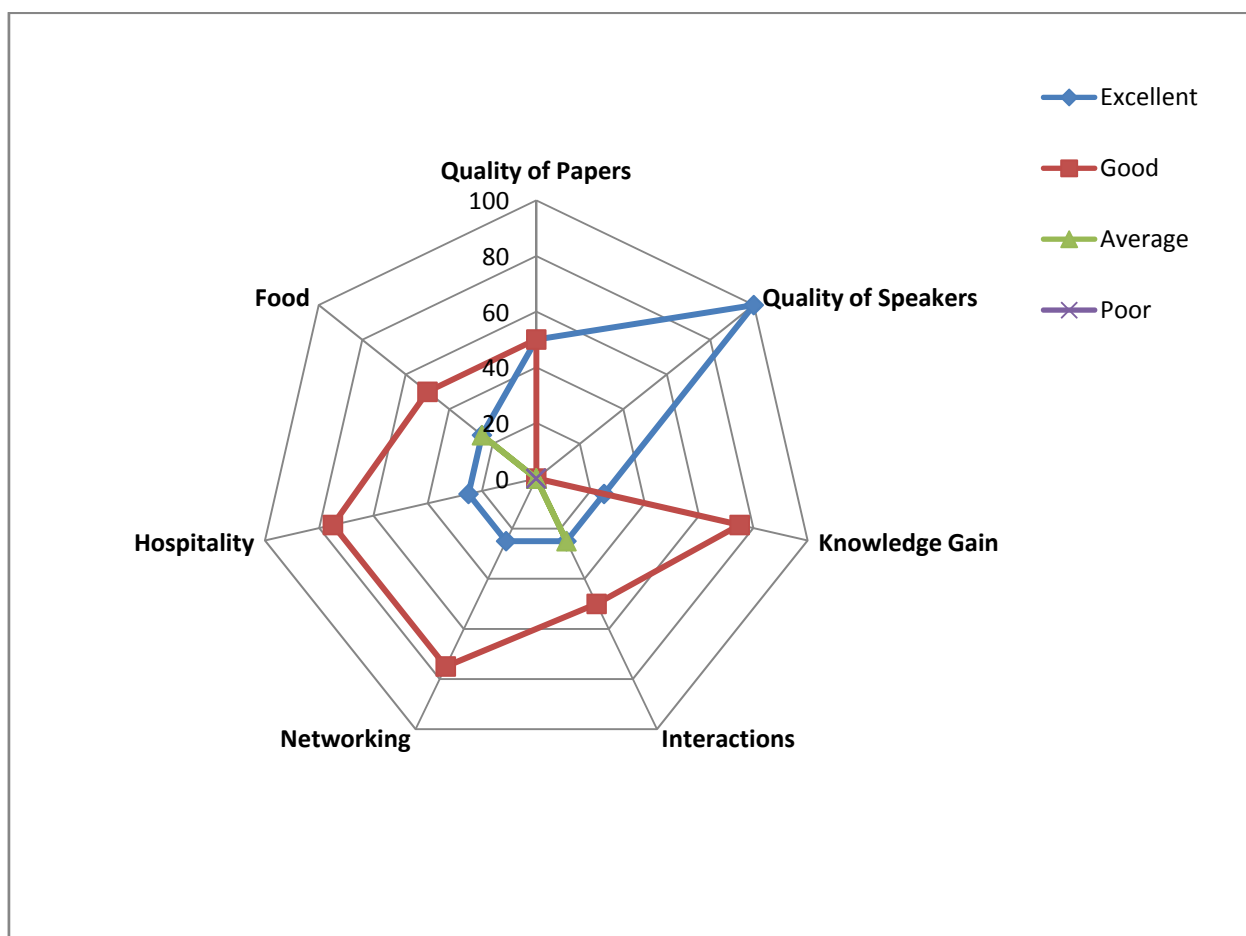


Authors receiving their Certificate of Presentation

Best Paper Awards were also given. After the awards, vote of thanks was given by **Dr. Ajey Kumar**, Programe Chair EITES 2015 and the Conference was declared closed.

9. Feedback and its Analysis

For any event feedback is the best way to analyze and the event. The feedback was taken on seven parameters: **Quality of Papers, Quality of Speakers, Knowledge Gain, Interactions, Networking, Hospitality and Food.** Each of these parameters was evaluated for **Excellent, Good, Average and Poor.** Following are summary of response received for each component:



For most of the parameters the feedback is within Good to Excellent.

Logistics & Refreshments

EITES organizing committee along with volunteers did a commendable job for providing logistics to the guest and participants. For guest and invited speakers, to & fro Air travel and their accommodation in Five to three star hotels were provided. Dedicated local convenience was also provided to each one of them.

In refreshments, Tea with snacks twice a day and lunches were provided for all conference days. On 20th February 2015, we had a cultural program by team Eklavya, an initiative of SCIT students followed by Dinner.

Learning from the Conference

- International Collaboration is always helpful.
- Good Publication Opportunities attracts quality papers.
- Good Quality Speakers builds the brand image of the conference
- Combination of Speakers and paper presenters leads to good quality of learning's.
- Good Conference committee helps in smooth execution of the conference at all stages.
- Good Review Committee helps in the selection of Quality papers as well as excellent reviews which the authors can use to enhance / improve their work.

Innovative Methods used in Conference

- Conference Management System- EDAS for managing submission of papers, review of papers, selection of papers, communication with authors and the reviewers, and for disseminating call for papers.
- Conference Proceeding Publication in CD and online by Conference Publication Services.
- Use of Visitors Map in the website to know the popularity.
- Use of Social media sites LinkedIn, Facebook for promotions.

Marketing method employed for conference

- Marketing was done through emails (with our internal database of contacts), through EDAS and through conference website.

Shortcomings of the conference

- Publicity strategy needs to start very early in order to attract more submissions/ audience/ attendees.
- Need to get more sponsorship for providing Student Travel Grant.

Appendix-1: Conference Programme

Day 1: Friday, 20th February 2015 Venue: SIC Auditorium, Symbiosis Centre for Information Technology (SCIT)		
9:30 AM - 9:35 AM	Lighting of Lamp	All Dignitaries
9:35 AM – 9: 40 AM	Felicitation to Dignitaries	<ul style="list-style-type: none"> • Dr. Mukesh Mohania, <i>IBM Master Inventor & Distinguished Engineer</i>, India. • Dr. Yoshio Nakatani, <i>Dean, Ritsumeikan University</i>, Japan • Dr. Rajani Gupte, <i>Vice Chancellor, Symbiosis International University</i>, Pune, India. • Dr. S.B. Mujumdar, <i>Chancellor, Symbiosis International University</i>, Pune, India. • Dr. Vidya Yeravdekar, <i>Principal Director, Symbiosis Society</i>, Pune, India. • Dr. R. Raman, <i>Dean FoCS, Symbiosis International University</i>, Pune, India.
9:40 AM – 9:45 AM	Welcome Address by	Dr. R. Raman , <i>Dean FoCS, Symbiosis International University</i> , Pune, India
9:45 AM – 9:55 AM	Address by	Dr. Rajani Gupte , <i>Vice Chancellor, Symbiosis International University</i> , Pune, India
9:55 AM - 10:00 AM	Address by	Dr. S.B. Mujumdar , <i>Chancellor, Symbiosis International University</i> , Pune, India
10:00 AM - 10:05 AM	Address by	Dr. Vidya Yeravdekar , <i>Principal Director, Symbiosis Society</i> , Pune, India
10:05 AM – 10:10AM	Address by	Dr. Yoshio Nakatani , <i>Dean, Ritsumeikan University</i> , Japan
10:10 AM – 10:15AM	Address by	Dr. Dhanya Pramod , <i>Director, Symbiosis Centre for Information Technology</i> , Pune
10:00 AM – 11:00AM	Keynote: Policy Management for Autonomic Data Management Dr. Mukesh Mohania , <i>IBM Master Inventor & Distinguished Engineer</i> , India. Chair: Dr. Dhanya Pramod , <i>Director, Symbiosis Centre for Information Technology</i> , Pune	
11:00 AM – 11:30AM	TEA BREAK	
11:30 AM – 12:30 PM	Plenary I : Instant Collaboration Environments using Tablet Terminals Prof. (Dr.) Hideyuki Takada , <i>School of Information Science and Engineering, Ritsumeikan University</i> , Japan Chair: Dr. Dhanya Pramod , <i>Director, Symbiosis Centre for Information Technology</i> , Pune	
12:30 PM - 1:30 PM	LUNCH	
1:30 PM – 2:30 PM	Plenary II : Security Threat Monitoring in Large Scale University Networks: Big-Data Analytics to the Rescue Prof. (Dr.) Chittaranjan Hota , <i>Department of Computer Sc. & Information Systems, Birla Institute of Technology & Science-Pilani, Hyderabad Campus</i> , India Chair: Dr. R. Raman , <i>Dean FoCS, Symbiosis International University</i> , Pune, India	
Paper Session I Chair: Dr. R. Raman , <i>Dean FoCS, Symbiosis International University</i> , Pune, India		
2:30 PM - 3:00 PM	Non-Exclusive Clustering: A Partitioning Approach <i>Nitesh Agarwal , H. A. Ahmed and D. K. Bhattacharyya, Heritage Institute of Technology Kolkata, Tezpur University Napalm</i> , India	
3:00 PM - 3:30 PM	Bounded-SVD: A Matrix Factorization Method with Bound Constraints for Recommender Systems <i>Bang Hai Le, Kien Quang Nguyen and Ruck Thawonmas, Ritsumeikan University</i> , Japan.	
3:30 PM - 4:00 PM	Enhanced K-Strange Points Clustering Algorithm <i>Terence Johnson and Santosh Kumar Singh, AMET University Chennai, Thakur College of Science and Commerce Kandivali (E) Mumbai</i> , India.	
4:00 PM – 4:30 PM	TEA BREAK	
6:30 PM – 9:00 PM	Cultural Program by EKLAVYA followed by Dinner	

Day 2: Saturday, 21st February 2015 Venue: SIC Auditorium, Symbiosis Centre for Information Technology (SCIT)	
10:00 AM – 10:30AM	TEA
10:30 AM – 11:30AM	Plenary III: SDN & NFV – Key Trends in Network Transformation Mr. Raj Sahakari, Tech Mahindra, Pune, India Chair: Dr. Yoshio Nakatani, Dean, Ritsumeikan University, Japan
Paper Session II Chair: Dr. Yoshio Nakatani, Dean, Ritsumeikan University, Japan	
11:30 AM – 12:00 PM	Scalable Honeypot Architecture for Identifying Malicious Network Activities Gokul Kannan Sadasivam and Chittaranjan Hota, <i>BITS-Pilani Hyderabad Campus, India</i>
12:00 PM – 12:30 PM	Efficient LALRED for Congestion Avoidance using Automata-Like Solution Shalu G. Mahajan, <i>MGM's College of Engineering Nanded, India</i>
12:30 PM – 1:00 PM	Optimized Technique For Capacitated Minimum Forest Problem In Wireless Sensor Networks Shwetal R. Jaiswal, <i>K. S. Institute of Engineering and Technology, Hingoli, India.</i>
1:00 PM – 2:00 PM	LUNCH
2:00 PM - 3:00 PM	Plenary IV: Swarm Intelligence – An exciting field for Research Prof. (Dr.) G. S. Mani, Former Director & Dean, IAT, Pune, India. Chair: Dr. Hideyuki Takada, Professor, Ritsumeikan University, Japan
Paper Session III Chair: Dr. Hideyuki Takada, Professor, Ritsumeikan University, Japan	
3:00PM – 3:30 PM	Heuristic-based Real-Time P2P Traffic Identification Jagan Mohan Reddy and Chittaranjan Hota, <i>BITS-Pilani Hyderabad Campus, India</i>
3:30PM– 4:00 PM	Experiments in Encrypted and Searchable Network Audit Logs Bhanu Prakash Gopularam, Sashank Dara and Nalini Niranjana, <i>Cisco Systems India Pvt. Ltd, IIIT-Bangalore, Nitte Meenakshi Institute of Technology Bangalore, India</i>
4:00 PM - 4:30 PM	TEA BREAK
4:30 PM - 5:00 PM	Valediction Ceremony

Appendix-2: Review and Advisory Committee (RAC)

- **Prof. (Dr.) Aarti Dixit**, Defence Institute of Advanced Technology, India.
- **Prof. (Dr.) Ajey Kumar**, Symbiosis Centre for Information Technology, India
- **Prof. Anuradha Goswami**, Symbiosis Centre for Information Technology, India
- **Dr. Apurva Mohan**, Honeywell, U.S.A.
- **Dr. Brij Gupta**, National Institute of Technology Kurukshetra, India
- **Prof. Chetan Agarwal**, Thadomal Shahani Engineering College, India
- **Dr. Debmalya Biswas**, Iprova, Lausanne, Switzerland.
- **Prof. (Dr.) Hiromitsu Hattori**, Ritsumeikan University, Japan.
- **Prof. (Dr.) Hoang Pham**, Rutgers University, U.S.A.
- **Prof. (Dr.) Hongzhi Wang**, Harbin Institute of Technology, China.
- **Dr. Hrishikesh Venkataraman**, Tech Mahindra, India.
- **Prof. (Dr.) Ikuko Nishikawa**, Ritsumeikan University, Japan.
- **Dr. J. Ajit Thomas**, TTW Consulting & Engineering Services Inc., Canada.
- **Prof. (Dr.) Kazuya Murao**, Ritsumeikan University, Japan
- **Prof. (Dr.) Kenta Oku**, Ritsumeikan University, Japan
- **Dr. Luciano Mendes**, Inatel, Brazil.
- **Dr. Mahesh Kuruba**, Tata Consultancy Services, India.
- **Prof. (Dr.) Mala C**, National Institute of Technology Trichy, India.
- **Prof. (Dr.) Marco Aiello**, University of Groningen, Netherlands.
- **Prof. (Dr.) Mu-Song Chen**, Da-Yeh University, Taiwan.
- **Prof. (Dr.) Nary Subramanian**, The University of Texas, U.S.A.
- **Dr. Narendran Rajagopalan**, National Institute of Technology Puducherry, India
- **Prof. (Dr.) P. K. Kapur**, Amity International Business School, India.
- **Prof. (Dr.) Qian Zhu**, University of Maryland, U.S.A.
- **Dr. Rakesh Kumar**, MMM University of Technology, Gorakhpur, India
- **Prof. (Dr.) Roberto Lopez-Gulliver**, Ritsumeikan University, Japan.
- **Prof. (Dr.) Sandeep Kumar**, Indian Institute of Technology Roorkee, India.
- **Dr. Sanjay Bhatia**, AMDOCS, India
- **Prof. (Dr.) Seifedine Kadry**, American University of the Middle East, Kuwait.
- **Prof. (Dr.) Shigeru Yamada**, Tottori University, Japan.
- **Prof. (Dr.) Takahiro Wada**, Ritsumeikan University, Japan.
- **Prof. (Dr.) Tetsuo Kamina**, Ritsumeikan University, Japan.

- **Prof. (Dr.) Udai Shanker**, Madan Mohan Malaviya University of Technology, India.
- **Prof. (Dr.) Urvashi Rathod**, Symbiosis Centre for Information Technology, India.
- **Dr. Zeeshan Ahmed**, University of Wurzburg, Germany.

ETES 2015

FoCS, SIU Thanks



Dr. Yoshio Nakatani



Dr. Rajani Gupte



Dr. R. Raman



Dr. Mukesh Mohania



Dr. Hideyuki Takada



Dr. Chittaranjan Hota



Mr. Raj Sahakari



Dr. G. S. Mani



Mr. Sonoda Motoki



Mr. Tsutsui Kumpei



Volunteers



& All Participants

With the enlightened mind...



.....the journey continues...