IEICE Global Plaza

—Monthly community plaza in English for students, faculties and engineers—

Hot Topics

Complete English Session BS-7 Successfully Held during 2013 IEICE Society Conference

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The 2013 IEICE Society Conference was held at the Fukuoka Institute of Technology in Fukuoka, on September 17-20, 2013, where three Societies of Engineering Sciences Society (ESS), Communications Society (CS), and Electronics Society (ES) joined. 18 Symposium Sessions and 55 General Sessions were held. The number of registered participants reached 6,134 in total.

In the Conference, the IEICE Technical Committee on “Information Communication Management (ICM)” hosted an full English Session entitled “Network and Service Design, Control and Management” as one of the 18 Symposium Sessions which focused on special topics of advanced technologies. ICM has been handling this Session since 2004, to promote the globalization of the IEICE by providing the participants staying in Japan or joining from overseas with more opportunities to present papers and discuss in English.

55 papers were submitted to the Session this year, and the number increased by 20% in comparison with last year. They were classified into 16 sub-sessions according to the topics and the sub-sessions were held every day during the Society Conference.

Various topics have been discussed in each sub-session every year. 19 papers were related to ad-hoc networks, P2P, multi-hop protocols, and wireless systems especially this year. These topics seemed to derive from an explosive spread of smart phones, due to the Great East Japan Earthquake which occurred three years ago, and so on. Topics covering application layers such as information centric networks, application & services and data centers were also discussed. Topics of optical networks, network management, and QoS were discussed eagerly also this year as well. Every presenter and audience enthusiastically discussed the ideas and exchanged opinions in the time assigned for questions and answers. Since the time assigned for presentation passed and exchanged opinions in the time assigned for questions and answers. Since the time assigned for presentation passed and exchange opinions, the Conference participants could have opportunities to see and know many international researchers sharing the same interests in special fields in the global and historical environment. They exchanged opinions through paper presentations and panel discussions, enjoyed their free time by visiting industrial sites or historical places.

From the statistic viewpoint, this Conference provided 338 Panel/Tutorial/Symposium presentations and 1,534 general papers. It is summarized in Table 1. Two Symposium Sessions, AS-1 by Engineering Sciences Society and BS-7 by Communications Society provided English presentations/papers, further BS-7 provided the complete English Session during the four days Conference. The Conference achieved the rate of English contributions, 22% in Panel/Tutorial/Symposium Sessions and 4% in General Sessions, and 7.4% in average a little higher than the General Conference in March this year.

Now ICM is selecting the best paper award from the papers presented in the English session this year, and it will be awarded in the upcoming ICM workshop of the 2014 IEICE General Conference which will be held at Niigata University, Niigata, Japan on March 18-21, 2014. Your participation in the English Session hosted by ICM is welcome next year as well!
Let’s Apply for “I-Scover Challenge 2013”!

Yasuhiro Shimura, Executive Specialist, Corporate R&D Center
Oki Electric Industry Co., Ltd., Project Sub-Leader,
IEICE Knowledge Discovery “I-Scover”

As informed in the former issues of IEICE Global Plaza, the IEICE Knowledge Discovery, briefly “I-Scover” is a database service where you can easily search out an expected paper out of quite many publications of IEICE. Further any other databases linked to IEICE’s database through the fundamental scheme of metadata based structure and linked data. You can access an I-Scover without charge. Once you entered into the world of I-Scover, you can freely walk around more preferable papers and reach the final destination with keywords, relevant author-names, attributes, fields. Anyhow, please try to visit http://i-scover.ieice.org/lang=en at first. We have just opened this service in the beginning of this fiscal year, your constructive idea or innovative proposals are welcome to improve the functions or enhance the quality of available services for general researchers and scholars over the world.

The “I-Scover Challenge 2013” is the first trial of public contest using I-Scover. It is supported by the FY2013 Grants-in-Aid for Scientific Research under Japan Society for the Promotion of Science (JSPS). The application procedure and important dates are:

- Requirements: to propose the idea of new capabilities, application program, data analysis/visualization with documentation or products.
- Qualification of applicant: delivered to the applicants on demand Specifications of application: the same as above.
- Metadata files: given in Linked Data form or XML form.

Due date of the entry and proposal: January 8, 2014.
Notice of screening results: Middle of February, 2014.
Award ceremony: given on March 29, 2014 in the 2014 IEICE General Conference at Nagoya University in March, 2014.
Contact: Prof. Kenzo Takahashi, I-Scover Project, at i-scover.ieice.org.

Final Call for Papers: ICTF2014
Let’s Join the International Conference on ICT Organized by IEICE Europe Section,

Mariusz Głębocki, Prof. Dr., Poznan University of Technology, Poznan, Poland
Vice Chair, IEICE Europe Section

As notified in the former issues of IEICE Global Plaza, “the 2014 IEICE Information and Communication Technology Forum”, briefly ICTF2014 will be held at Poznan University of Technology in the beautiful city of Poznan, Poland, on May 28–30, 2014. This forum will encourage the collaboration of researcher in academia and industry over the world, especially in Europe and Asia. The researchers, professors, PhD students and experts from industry will gather there to exchange ideas and discuss major trends and challenges in the updated ICT.

The important dates for paper submission are updated as follows:
- Full paper due: December 29, 2013
- Notification of acceptance: February 10, 2014
- Final camera-ready manuscript due: March 3, 2014
- Conference: May 28–30, 2014

Fig.2: Beautiful oldest historical city of Poznan in Poland, where ICTF2014 will be held in May, 2014

Topics of Interests
The Forum will be comprised of three days sessions, divided into blocks based on the subject. Keynote talks will be provided to address the challenges to the next-generation communication networking technologies and applications.

The topics of interests in your paper submission are:

- Engineering/Fundamentals
  - Theory and application of mathematical systems sciences
  - Signal processing interdisciplinary
  - Non-linear phenomena
  - Cryptography and information security
  - Coding theories
  - VLSI systems, applications and computer aided network design
  - Acoustics engineering

- (Communications)
  - Next generation access networks
  - Next generation networking
  - Power line communication
  - Wireless communication and networking
  - Optical networks and systems
  - Internet of things
  - Green communication

- Smart grids

- Electronics
  - Image and signal processing
  - Digital coding and filtering
  - Microwave devices, components, systems and applications
  - Analog and mixed-signal circuits
  - Low power designs
  - Embedded systems
  - Consumer and multimedia systems
  - Biomedical/eo-engineering circuits and systems

Collaborations with IEICE I-Scover Project
All accepted contributions will appear as full papers in the conference proceedings and will be published on the IEICE’s I-Scover based Digital Library. For this purpose, IEICE Europe Section has been developing the application program to the Conference papers to be indexed for general readers widely over the world, through the I-Scover capabilities. This new scheme of ICTF will promote the enhancement of impact factor of papers presented in the Conference. All paper registrations and submissions also will be handled through the proper conference system developed by IEICE Europe Section which will be compatible with the I-Scover.

Updated Program and Liaison
Please refer to the updated information of the Conference at: http://www.ictf2014.org/. If any, you would please contact Mariusz Głębocki at mariusz.glebocki@put.poznan.pl.