



Activity Report

10th AEARU Workshop on Computer Science and Web Technology

■ Date

February 25 – 27, 2015

■ Venue

International Conference Room, University Hall, University of Tsukuba

■ Sponsors

- Faculty of Engineering, Information and Systems, University of Tsukuba
- Office of Global Initiatives, University of Tsukuba
- Association of East Asian Research Universities (AEARU)

■ Overview

University of Tsukuba hosted the 10th AEARU Workshop on Computer Science and Web Technology (AEARU-CSWT 2015) on February 25 - 27, 2015. This was the second time for the university to conduct a workshop on computer science and web technology since the 5th AEARU-CSWT was held here in 2003. This workshop has been made possible under the auspices of AEARU and the University of Tsukuba's Faculty of Engineering, Information & Systems and the Office of Global Initiatives. The workshop provided the participants with a great opportunity to present their cutting-edge researches, share their knowledge, and network with other participants of AEARU member universities.

The theme of the workshop covers four major areas which are the following:

- Cloud Computing
- Web Technologies
- Human-Machine Cooperation
- Brain-Computer Interaction

The workshop consisted of oral and poster presentation sessions. The organizing committee members invited 19 distinguished scientists to provide state-of-the-art talks during the oral presentation session, while 52 students were selected to give poster presentations based on their submitted abstracts. A total of 100 attendees

from China, Japan, Korea, Hong Kong and Taiwan participated.

All abstracts for oral and poster presentations were compiled into a booklet and distributed to all workshop participants (See Appendix 1 for Table of Contents).

■ Workshop Program (See Appendix 2)

On February 25, the general registration for participants, especially for those coming from overseas, was held.

The main part of the program started on February 26 with the opening addresses of the host organizers, while the oral session focused on Brain-Computer Interaction and Human-Machine Cooperation. Fifty-two (52) student researchers, divided into two groups, gave their poster presentations with active interaction among themselves. They also had the opportunity to receive comments and feedback from professors. The last part of the program for the day was the welcome reception where each professor from the workshop gave encouraging words and advice to the young researchers.

On the last day, February 27, keynote speeches were given by two world-leading computer scientists: Prof. Yoshiyuki Sankai of the Faculty of Engineering, Information & Systems, and Deputy Director Akira Ukawa of the RIKEN Advanced Institute for Computational Science. The session on Cloud Computing and Web Technologies followed. The highlight of the program was the awarding of the 6 best poster presentations as judged by a number of professors who participated in the workshop.

■ Expenditures

AEARU funding of USD 5,000 (see Appendix 3) was used to partially subsidize costs for students' accommodation.

■ Conclusion

Distinguished scientists and young student researchers in the East Asian region gathered together for the AEARU-CSWT 2015 workshop. There was a question and answer time after each oral presentation in which professors and students engaged in active discussions. The students' passion and energy for exploring sometimes still uncharted territory truly demonstrated their being open to challenges. The organizers sincerely hoped that this workshop had served as another step forward to achieve further academic and research exchanges beyond national and



institutional borders in the fields of computer science and web technology.

■ Comments and Feedback

A brief open-ended questionnaire was sent to student participants by email after the workshop.

■ Number of Faculty Participants to the Oral Session (19)

Japan

- ◇ Kyoto University (2)
- ◇ Osaka University (2)
- ◇ The University of Tokyo (1)
- ◇ Tohoku University (1)
- ◇ Tokyo Institute of Technology (1)
- ◇ University of Tsukuba (5)

China

- ◇ Peking University (1)

Korea

- ◇ Korea Advanced Institute of Science and Technology (1)
- ◇ Pohang University of Science and Technology (2)
- ◇ Kyungpook National University (1) *Invited

Hong Kong

- ◇ Hong Kong University of Science and Technology (1)

Taiwan

- ◇ National Tsinghua University (1)

■ Number of Student Participants to the Poster Session (52)

Japan

- ◇ Kyoto University (3)
- ◇ Osaka University (2)
- ◇ The University of Tokyo (3)
- ◇ Tohoku University (2)
- ◇ University of Tsukuba (24)

China

- ◇ Fudan University (4)
- ◇ Peking University (3)
- ◇ Tsinghua University (3)

Korea

- ◇ Korea Advanced Institute of Science and Technology (2)



- ◇ Pohang University of Science and Technology (2)
- ◇ Kyungpook National University (2) *Invited

Taiwan

- ◇ National Tsing Hua University (2)

■ Organizing Committee

Organizing Committee Co-Chairs

Professor Hideaki Takagi, Provost, Faculty of Engineering, Information and Systems, University of Tsukuba

Professor Toshiyuki Inagaki, Provost, Graduate School of Systems and Information Engineering, University of Tsukuba

Program Committee Chair

Professor Ko Sakai, Department of Computer Science, Faculty of Engineering, Information and Systems, University of Tsukuba

Program Committee

Shoji Makino, Professor and Aspect Core Director, Life Science Center of Tsukuba Advanced Research Alliance, University of Tsukuba

Hiroo Iwata, Professor, Department of Intelligent Interaction Technologies, Faculty of Engineering, Information and Systems, University of Tsukuba

Taisuke Boku, Professor, Center for Computational Sciences, University of Tsukuba

Hiroyuki Kitagawa, Professor and Division Director, Center for Computational Sciences, University of Tsukuba

Osamu Tatebe, Associate Professor, Center for Computational Sciences, University of Tsukuba

Jun Sakuma, Associate Professor, Department of Computer Science, Faculty of Engineering, Information and Systems, University of Tsukuba

Tomasz "Tomek" M. Rutkowski, Assistant Professor, Life Science Center of Tsukuba Advanced Research Alliance, University of Tsukuba

■ APPENDICES

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