



東亞研究型大學協會
東アジア研究型大学協会
동아시아연구중심대학협의회
The Association of East Asian Research Universities



AEARU 11th WEB Technology and Computer Science Workshop
September 20-21, 2016
Tohoku University, Japan

Theme

Computer Science and Data Science

Introduction and Purpose

At the AEARU 11th WEB Technology and Computer Science Workshop (to be hosted by Tohoku University,) we plan to have a particular focus on computer science methodologies and findings in applications to data science in collaboration with Japanese projects on Big Data and IT industries.

Venues

Qatar Science Campus (QSC) Hall, Aobayama Campus, Tohoku University, Sendai, Japan

Tentative Schedule

Day 1 - September 20	Keynote Speech, Oral Presentation and Poster Presentation
Day 2 - September 21	Oral Presentation

Invited Speakers include;

- Prof. Xiaoyang Sean Wang , School of Computer Science, Fudan University;
- Prof. James Kwok, Dept. of Computer Science and Engineering, Hong Kong University of Science and Technology;
- Prof. Sanglu Lu, State Key Laboratory for Novel Software Technology, Nanjing University;
- Prof. Takajiro Hara, Graduate School of Information Science and Technology, Osaka University;
- Prof. Lingyang Song, School of Electrical Engineering and Computer Science, Peking University;
- Assoc. Prof. Srinivasa Rao Satti, Dept. of Computer Science and Engineering, Seoul National University;
- Prof. Jyh-Shing Roger Jang, Dept. of Computer Science and Information Engineering, National Taiwan University;
- Assist. Prof. Wei Xu, Institute for Interdisciplinary Information Sciences, Tsinghua University;
- Assoc. Prof. Shan-Hung Wu, Dept. of Computer Science, National Tsing Hua University;
- Prof. Kentaro Inui, Graduate School of Information Sciences, Tohoku University.

Important Dates

August 5, 2016	Deadline for Registration for those who need visa assistance Submission Deadline for Abstract of Poster Presentation
August 25, 2016	Notification of Acceptance
September 5, 2016	Deadline for Registration for Regular Participants
September 20-21, 2016	AEARU-CSWT 2016

How to Apply

Those who would like to participate in the workshop are required to submit a completed registration form to kokusai-k@grp.tohoku.ac.jp no later than **Monday, September 5th, 2016**. However, those who need visa assistance and/or who would like to give a poster presentation are required to submit by **Friday, August 5th, 2016**.

Costs:

<Registration fees>

- Conference Registration fee: Free
- Reception participation fee (to be collected at the reception): JPY 5,000 (approx.)

Participants are responsible for funding their own travel costs to and from Tohoku University. Tohoku University will provide financial support for up to 20 student/post-doc participants who will give a poster presentation.

Poster Presentation

Those who would like to give a poster presentation are required to submit an abstract along with a registration form to kokusai-k@grp.tohoku.ac.jp **no later than Friday, August 5th, 2016**. Abstracts should be prepared in the attached template.

Submitted abstracts will be reviewed by the Organizing Committee at Tohoku University. Notification of acceptance will be sent to all applicants of poster presentation **by Thursday, August 25th, 2016**.

Financial Support

Up to 20 students and post-doctoral researchers who will give a poster presentation at the workshop will be provided with financial support (approx. JPY 50,000) by Tohoku University, to cover local travel expenses and accommodation cost. Reception participation fee for them is also waived.

Visa (If needed)

If you need assistance for visa application, please submit a registration form by **Friday, August 5th**.

Contact

Should you have any inquiries, please contact to

Email: kokusai-k@grp.tohoku.ac.jp

International Exchange Division, Tohoku University

Contact Person: Kaori Fukui

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**AEARU 11th WEB Technology and Computer Science Workshop
- Computer Science and Data Science**

September 20-21, 2016

Qatar Science Campus Hall, Aobayama-Campus, Tohoku University, Japan

As of September 2nd, 2016

Tuesday, 20 September	
09:45-10:20	Registration
<i>Chair: Prof. Jinhee Chun, Graduate School of Information Sciences, Tohoku University</i>	
10:20-10:30	Opening Remarks President Susumu Satomi, Tohoku University, Japan
10:30-10:45	Group Photo
10:45-11:30	Keynote Talk Prof. Masaru Kitsuregawa, Director General, National Institute of Informatics, Japan / The University of Tokyo, Japan <i>Title: Big data towards societal benefits rather than commercial profits</i>
11:30-12:00	Prof. Shan-Hung Wu , Department of Computer Science, National Tsing Hua University, Taiwan <i>Title: Big data behind small apps</i>
12:00-12:30	Prof. Jyh-Shing Roger Jang , Department of Computer Science and Information Engineering, National Taiwan University, Taiwan <i>Title: An overview of music information retrieval</i>
12:30-14:00	Lunch
<i>Chair: Prof. Akira Suzuki, Graduate School of Information Sciences, Tohoku University</i>	
14:00-14:30	Prof. Wei Xu , Institute for Interdisciplinary Information Sciences, Tsinghua University, China <i>Title: Making our cloud computing infrastructure smarter</i>
14:30-15:00	Prof. Hee-Kap Ahn , Department of Computer Science and Engineering, Pohang University of Science and Technology, South Korea <i>Title: Geometric algorithms on imprecise and streaming data</i>
15:00-15:30	Prof. Takahiro Hara , Graduate School of Information Science and Technology, Osaka University, Japan <i>Title: People as sensors: Technologies and platform for social media mining</i>

15:30-16:00	Coffee Break
16:00-17:00	Poster Presentation
19:00-21:00	Reception <i>Venue: Floor 21 Room "Ginga," Hotel Metropolitan Sendai, 1-1-1 Chuo, Aoba-ku, Sendai</i>
Wednesday, 21 September	
09:30-10:00	Registration
<i>Chair: Prof. Shun Kataoka, Graduate School of Information Sciences, Tohoku University</i>	
10:00-10:30	Prof. Hisashi Kashima , Graduate School of Informatics, Kyoto University, Japan <i>Title: Crowdsourcing for big data analysis</i>
10:30-11:00	Prof. Kentaro Inui , Graduate School of Information Sciences, Tohoku University, Japan <i>Title: Computational models of commonsense reasoning for natural language discourse understanding</i>
11:00-11:30	Prof. Srinivasa Rao Satti , Department of Computer Science and Engineering, College of Engineering, Seoul National University, South Korea <i>Title: Space-efficient graph algorithms</i>
11:30-13:00	Lunch
<i>Chair: Dr. Yuichi Kawamoto, Graduate School of Information Sciences, Tohoku University</i>	
13:00-13:30	Prof. James Kwok , Department of Computer Science and Engineering, The Hong Kong University of Science and Technology, Hong Kong <i>Title: Big machine learning</i>
13:30-14:00	Prof. Xavier Defago , Department of Computer Science, Tokyo Institute of Technology, Japan <i>Title: Intrusion-tolerance and dynamic faults in the internet of things</i>
14:00-14:30	Prof. Lingyang Song , School of Electrical Engineering and Computer Science, Peking University, China <i>Title: Full-Duplex Cognitive Radio for future wireless Networks</i>
14:30-15:00	Coffee Break

Chair: Prof. Hasitha Muthumala Waidyasooriya, Graduate School of Information Sciences, Tohoku University

15:00-15:30	Prof. Xiaoyang Sean Wang , School of Computer Science, Fudan University, China <i>Title: Query optimization techniques for large-scale exploratory text analysis</i>
15:30-16:00	Prof. Toshiyuki Amagasa , Center for Computational Sciences, University of Tsukuba, Japan <i>Title: GPU-Accelerated big data processing</i>
16:00-16:30	Prof. Xiaoliang Wang , Department of Computer Sciences and Technology, Nanjing University, China <i>Title: Fine-grained human activity recognition using signal based mobile sensing</i>
16:30-16:40	Closing Remarks Prof. Takeshi Tokuyama, Dean, Graduate School of Information Sciences, Tohoku University, Japan

