

# Workshops

Dec 6

## Workshop Application of Big Data for Computational Social Science

Workshop Chairs: Akira Ishii, Fujio Toriumi, Yasuko Kawahata

Time	Title	Presenter/Author
11:05am-11:10 am	Opening	Akira Ishii, Tottori University, Japan
<b>Session1 Moral and Politics(11:10am – 12:00pm)</b>		
11:10am – 11:25am	Tweet Sentiment as Proxy for Political Campaign Momentum	* K.M. George, Computer Science Department, Oklahoma State University, USA Ashwin Kumar T K, Computer Science Department, Oklahoma State University, USA Zenia Arora, Computer Science Department, Oklahoma State University, USA David Watts, Department of Statistics, Oklahoma State University, USA.
11:25am – 11:40am	Pricing the Woman Card: Gender Politics between Hillary Clinton and Donald Trump	* Yu Wang, University of Rochester, United States Yang Feng, University of Rochester, USA Xiyang Zhang, Beijing Normal University, China Jiebo Luo, University of Rocehster, United States.
11:40am – 11:55am	Quantifying moral foundations from various topics on Twitter conversations	Rishemjit Kaur, CSIR-Central Scientific Instruments Organisation, India * Kazutoshi Sasahara, Department of Complex Systems Science, Nagoya University, Japan
11:55am – 12:10pm	Automated Classification of ISIS Twitter Accounts Using Content-Based and Network-Based Features	Daniel Xie, University of Florida, USA * Jiejun Xu, HRL Laboratories, USA Tsai-Ching Lu, HRL Laboratories, USA.
12:10am – 12:25pm	Experimentation and the Diffusion of Technology in China: Using Big Data to explore Consumer Channel Choice	* Ashley Lloyd, Business School, The University of Edinburgh, Scotland, UK Mario Antonioletti, EPCC, The University of Edinburgh, Scotland, UK Terence Sloan, EPCC, The University of Edinburgh, Scotland, UK.
<b>Lunch Time(12:25-14:00)</b>		
<b>Session2 SocialMedia and Web(14:00pm – 15:45pm)</b>		
14:00pm – 14:15pm	Language independent Big-Data system for the prediction of user location on Twitter	Jaime Alonso-Lorenzo, Telematics Engineering Department, University of Vigo, Spain * Enrique Costa-Montenegro, Telematics Engineering Department, University of Vigo, Spain Milagros Fernández-Gavilanes, Telematics Engineering Department, University of Vigo, Spain.
14:15pm – 14:30pm	Uncovering Information Flow Among Users by Time-Series Retweet Data: who is a friend of whom on Twitter?	* Yuka Kamiko, Department of Systems Innovation, School of Engineering, The University of Tokyo, Japan Mitsuo Yoshida, Department of Computer Science and Engineering, Toyohashi University of Technology, Japan Hirotada Ohashi, Department of Systems Innovation, School of Engineering, The University of Tokyo, Japan Fujio Toriumi, Department of Systems Innovation, School of Engineering, The University of Tokyo, Japan.
14:30pm – 14:45pm	Analytical method of web user behavior using Hidden Markov Model	* Hirotaka Kawazu, University of Tokyo, Japan Fujio Toriumi, Department of Systems Innovation, School of Engineering, The University of Tokyo, Japan Masanori Takano, CyberAgent, Inc., Japan Kazuya Wada, CyberAgent, Inc., Japan Ichiro Fukuda, CyberAgent, Inc., Japan.

14:45pm – 15:00pm	User-generated Content Curation with Deep Convolutional Neural Networks	* Ruben Tous, Universitat Politècnica de Catalunya, Spain Otto Wust, Adsmurai, Spain Mauro Gomez, Adsmurai, Spain Jonatan Poveda, Adsmurai, Spain Marc Elena, Adsmurai, Spain Jordi Torres, Barcelona Supercomputing Center, Spain Mouna Makni, Universitat Politècnica de Catalunya, Spain Eduard Ayguadé, Barcelona Supercomputing Center, Spain.
15:00pm – 15:15pm	Finding Informative Comments for Video Viewing	* Seungwoo Choi, KAIST, Korea, Republic of Aviv Segev, KAIST, Korea, Republic of
15:15pm – 15:30pm	Prediction of Information Diffusion in Social Networks using Dynamic Carrying Capacity	* Anahita Davoudi, University of Central Florida, United States Mainak Chatterjee, University of Central Florida, United States
15:30pm – 15:45pm	Classifying Twitter User Judgments of Rumors Using Distributed Representations of Words	Armineh Nourbakhsh, Thomson Reuters, USA Xiaomo Liu, Thomson Reuters, USA Sameena Shah, Thomson Reuters, USA * Rui Fang, Thomson Reuters, United States Quanzhi Li, Thomson Reuters, USA.

**Coffe Break(16:05-16:25)**

**Session3 Marketing(16:25pm – 17:55pm)**

16:25pm – 16:40pm	Forecasting Nike's Sales using Facebook Data	Linda Camilla Boldt, Copenhagen Business School, Denmark Vinothan Vinayagamoorthy, Copenhagen Business School, Denmark Florian Winder, Copenhagen Business School, Denmark Melanie Schnittger, Copenhagen Business School, Denmark Mats Ekran, Copenhagen Business School, Denmark * Raghava Rao Mukkamala, Copenhagen Business School, Denmark Niels Buus Lassen, Copenhagen Business School, Denmark Benjamin Flesch, Copenhagen Business School, Denmark Abid Hussain, Copenhagen Business School, Denmark Ravi Vatrapu, Copenhagen Business School, Denmark.
16:40pm – 16:55pm	Application of Integer-Valued Autoregressive Model to Hit Phenomena	Yasuko Kawahata, Tottori University, Japan * Tamio KOYAMA, Shiga University, Japan
16:55pm – 17:10pm	Nowcast of firms' sales using POS data toward the stability of stock market	* Atushi Ishikawa, Kanazawa Gakuin University, Japan Shouji Fujimoto, Kanazawa Gakuin University, Japan Takayuki Mizuno, National Institute of Informatics, Japan
17:10pm – 17:25pm	A New Approach to Building the Interindustry Input--Output Table Using Block Estimation Techniques	* Ryohei Hisano, University of Tokyo, Japan.
17:25pm – 17:40pm	Leveraging Social Big Data for Performance Evaluation of E-Commerce Websites	* Eyad Makki, The Catholic University of America, USA Lin-Ching Chang, Dept. of Electrical Engineering and Computer Science, the Catholic University of America, USA.
17:40pm – 17:55pm	When Do Luxury Cars Hit the Road? Findings by A Big Data Approach	* Yang Feng, University of Rochester, USA Jiebo Luo, University of Rochester, United States