

Frontiers in Data-Driven Science and Technology: Recent Advances in Machine Learning and Applications

Nov 5-6 2015, Nagoya Institute of Technology BLDG. 4 Hall (room 137, the 1st floor)

<http://www-als.ics.nitech.ac.jp/~workshop2015/>

Aim and Scope

The recent explosion of digital data in a wide variety of domains, including science, engineering and many business sectors, has declared the era of big data, which cannot be analyzed by classical statistics but by more modern, robust techniques in machine learning and data mining. In fact big data is not necessarily just for analytics to extract embedded information or knowledge but used more for the purpose of achieving better performance or even decision-making. This paradigm shift on data analysis leads to a breakthrough in academic research also, referred to as "data-driven science and technology". This workshop is the first attempt to contribute to this emerging paradigm by inviting scientists in machine learning and applications, to hear their latest achievements and explore solutions for future problems, a particular application focus being placed on signal data, biomedical and material sciences.

Program

Nov 5 (Thu)		Nov 6 (Fri)	
10:00 - 10:15	Opening	9:00 - 9:45	Hisashi Kashima (Kyoto University, Japan)
10:15 - 10:55	Marco Cuturi (Kyoto University, Japan)	9:55 - 10:40	Masashi Sugiyama (University of Tokyo, Japan)
11:05 - 11:50	Shigeyuki Matsui (Nagoya University, Japan)	10:50 - 11:35	Koji Tsuda (University of Tokyo, Japan)
12:00 - 12:45	Samuel Kaski (Aalto University, Finland)	11:35 - 13:15	Lunch break
12:45 - 14:25	Lunch break	13:15 - 14:00	Isao Tanaka (Kyoto University, Japan)
14:25 - 15:10	Keiichi Tokuda (Nagoya Institute of Technology, Japan)	14:00 - 14:45	Kristof Schütt (Technical University of Berlin, Germany)
15:10 - 15:55	Aapo Hyvarinen (University of Helsinki, Finland)	15:05 - 15:50	Michele Ceriotti (EPFL, Switzerland)
16:15 - 17:00	S V N Vishwanathan (University of California, Santa Cruz, USA)	15:50 - 16:35	Matthias Rupp (Fritz Haber Institute, Germany)
17:00 - 17:45	Makoto Yamada (Yahoo Labs, USA)	16:35 - 16:45	Closing
18:00	Banquet		

Host Organization



**The NITech Frontier Research
Institute for Information Science**
Nagoya Institute of Technology

Supporting Organization



Institute for Chemical Research,
Kyoto University