

2015/10/09

## 国際会議 HD<sup>3</sup>-2015 のご案内

国立研究開発法人理化学研究所 生命システム研究センター 木川隆則

文科省科研費「スパースモデリングの深化と高次元データ駆動科学の創成」(領域代表：岡田真人(東大))では下記の要領で、国際会議を開催致します。現在、<http://sparse-modeling.jp/HD3-2015/>から参加登録(参加費無料、懇親会費有料)ならびにポスター発表(12月16日午後)の募集を行っています。

多数の参加登録ならびにポスター発表への応募をお待ちしております。

#ポスター発表を応募される場合は、同時に参加登録もお願いいたします。

HD<sup>3</sup>-2015 組織委員一同

### International Meeting on “High-Dimensional Data Driven Sciences” (HD<sup>3</sup>-2015)

URL: <http://sparse-modeling.jp/HD3-2015/>

#### Scope:

Never-ending series of innovations in measurement technologies and evolutions in information and communication technologies have led to the ongoing generation and accumulation of large quantities of high-dimensional data every day. While detailed data-centric approaches have been pursued in respective research fields, situations have been encountered where the same mathematical framework of high-dimensional data analysis can be found in a wide variety of seemingly unrelated research fields, such as estimation on the basis of undersampled Fourier transform in nuclear magnetic resonance spectroscopy in chemistry, in magnetic resonance imaging in medicine, and in astronomical interferometry in astronomy. In such situations, bringing diverse viewpoints together therefore becomes a driving force for the creation of innovative developments in various different research fields. This meeting focuses on “Sparse Modeling” (SpM) as a methodology for creation of innovative developments through the incorporation of a wide variety of viewpoints in various research fields. The objective of this meeting is to offer a forum where researchers with interest in SpM can assemble and exchange information on latest results and newly established methodologies, and discuss future directions of the interdisciplinary studies for High-Dimensional Data-Driven science (HD<sup>3</sup>).

Date: December 14th – 17th, 2015.

Venue: Mielparque Kyoto, Japan (one minute walk from JR Kyoto Station)

#### Invited Speakers:

Erik Aurell (KTH, Sweden)

Jean Barbier (EPFL, Switzerland)

Mark Bostock (University of Cambridge, UK)

Ton Coolen (King's College London, UK)

Eric B. Ford (Pennsylvania State University, USA)

Klaus-Robert Müller (TU Berlin, Germany)

Federico Ricci-Tersenghi (Sapienza University of Rome, Italy)

Jean-Luc Starck (CEA, France)

Eric P. Xing (CMU, USA)

Vladislav Yu Orekhov (University of Gothenburg, Sweden)

Haijun Zhou (Chinese Academy of Sciences, China)

#### Speakers from the Innovative Area:

Shotaro Akaho (Advanced Institute of Science and Technology)

Mareki Honma (National Astronomical Observatory of Japan)

Shiro Ikeda (The Institute of Statistical Mathematics)

Teppei Ikeya (Tokyo Metropolitan University)

Takuma Kasai (RIKEN)

Tomoyuki Obuchi (Tokyo Institute of Technology)

Masayuki Ohzeki (Kyoto University)

Masato Okada (The University of Tokyo)

Toshiaki Omori (Kobe University)

Taiji Suzuki (Tokyo Institute of Technology)

Makoto Uemura (Hiroshima University)

Kazuho Watanabe (Toyoashi University of Technology)

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Sponsor:

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