

## Newsletter 01/2015

Dear BIMoS Members,

It is our great pleasure to welcome you all to the new Berlin International Graduate School for Model and Simulation based Research (BIMoS). We are very much looking forward to jointly making this graduate school a success.

With this and the following newsletters, we will inform you regularly about, for instance, new initiatives, upcoming events, or changes in the structure of BIMoS.

In this first newsletter, we would like to advertise and inform you about the following topics:

1. BIMoS Days (1. BIMoS Day: May 4th)
2. The first BIMoS General Assembly and BIMoS Fest
3. Call for scholarships
4. Our webpage

### 1. BIMoS Days

The series of BIMoS Days aims to introduce and explain novel methodologies which are applicable to a large variety of applications. In this summer term, we plan to organize three BIMoS Days, each one taking place on a Monday from 2:00-5:00PM in room H 3005. We warmly welcome you to this series.

The first BIMoS Day is scheduled for May 4th and will be devoted to "Compressed Sensing". This methodology was introduced in 2006 and predicts that high-dimensional signals, which allow a sparse representation by a suitable basis can be recovered from what was previously considered highly incomplete linear measurements by using efficient algorithms. By now, the viewpoint of scarcity has led to a change of paradigm in data science with this new method being already utilized by a large variety of application areas.

This BIMoS Day will be organized by Prof. Dr. Gitta Kutyniok. If you are interested, we would be grateful if you could send a short email to [office@bimos.tu-berlin.de](mailto:office@bimos.tu-berlin.de) for registration (so that we can prepare name tags).

The second BIMoS Day will take place on June 1st and focus on "Machine Learning". This BIMoS Day will be organized by Prof. Dr. Klaus-Robert Müller.

The third BIMoS Day will take place on July 13th. The topic will be announced soon.

After each BIMoS Day, we will upload the lectures on our website. They will be available for registered users only.

## 2. BIMoS General Assembly and BIMoS Fest

The BIMoS General Assembly will take place on July 13th after the third BIMoS Day, starting from 5:30PM. We would like to encourage you all to already mark this date in your calendars.

After the BIMoS General Assembly, we will celebrate our first BIMoS Fest, which will take place on July 13th starting from 7:00PM in the "Geodätenstand" on the roof of the main TUB building. We are greatly looking forward to welcome you also to this event.

## 3. Call for Scholarships

The call for applications for scholarships and the online application form can be found on our webpage under <http://www.bimos.tu-berlin.de/index.php/applications/appl-scholarship>. These scholarships are for three years. The application deadline is May 31st, 2015. We would like to encourage you to refer excellent and interested applicants to this call.

#### 4. Webpage

We would like to mention that important news will also be frequently posted on our webpage <http://www.bimos.tu-berlin.de/>.

If you have any suggestions or comments, we would be very happy if you could let us know.

Last, but not least, we are always looking for new, interested members among the professors, post-docs, and PhD students of TU Berlin, and would like to encourage you to advertise BIMoS among your colleagues/fellow PhD students.

With best regards,

Gitta Kutyniok and Jörn Sesterhenn