

**BIMoS**  
**Berlin International Graduate School in Model and Simulation based Research**  
**Newsletter 01/2017**

Dear BIMoS Members,

The summer term of 2017 starts, and I would like to take this opportunity to inform you about the latest news of our Graduate School.

This newsletter will cover the following topics:

- 1) Important Dates in the Summer Term 2017
- 2) Election of the BIMoS Executive Director
- 3) Awarding the BIMoS PhD Award 2017
- 4) Certificates for the BIMoS PhDs and PostDocs

I would like to also wish you an enjoyable and scientifically successful summer term 2017!

1) Important Dates in the Summer Term 2017

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BIMoS Distinguished Lecture

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15.05.2017 at 4:15 pm, MA 004  
Prof. Dr. Stéphane Mallat (École Normale Supérieur)  
"Mathematical Mysteries of Deep Neural Networks"

BIMoS Day

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22.05.2017 at 4:15 pm, MA 043  
Prof. Dr. Reinhard Hinkelmann (TU Berlin)  
"Shallow Water Flow Simulations"

BIMoS Day

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26.06.2017 at 4:15 pm, H 3005  
Prof. Dr. Dieter Scherer (TU Berlin)  
"Dynamical Downscaling of Global Atmospheric Data"

2) Election of the BIMoS Executive Director

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At its meeting on April 19, 2017, the BIMoS Members Assembly appointed Prof. Dr. Gitta Kutyniok as BIMoS Executive Director for the next two years.

3) Awarding the BIMoS PhD Award 2017

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BIMoS honors the best dissertation among the TU doctoral students, who have completed their doctorate in 2016 on a topic within the area of model and simulation

based research. The aim is to highlight outstanding achievements of a young researcher at the start of their scientific career. Due to the excellence of the award applicants the selection committee decided to honor two laureates in 2017. The BIMoS PhD Award 2017 will be conferred to

Dr. Philipp Petersen (TU Berlin) for his PhD Thesis on "Shearlets on Bounded Domains and Analysis of Singularities Using Compactly Supported Shearlets".

Prof. Dr. Gregor Wehinger (now TU Clausthal) for his PhD Thesis on "Particle-resolved CFD simulations of catalytic flow reactors".

The PhD Award will be presented after the BIMoS Distinguished Lecture on May 15, 2017 during a small BIMoS celebration.

#### 4) Certificates for the BIMoS PhDs and PostDocs

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The BIMoS Steering Committee decided to establish certificates for the BIMoS PhDs and PostDocs, which will be awarded if a certain number of courses from a course catalogue have been completed. This will provide the possibility for our younger members to achieve additional qualifications.

The certificates are created for the following topics:

- \* Data Science
- \* Cognitive Science
- \* Science of Modeling, Simulation, and Optimization

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

With best regards,  
Gitta Kutyniok