

Leibniz MMS Days 2019

20 to 22 March 2019

Leibniz-Institute of Atmospheric Physics
(IAP)
Schlossstr. 6
04318 Kühlungsborn

Scientific Board

Erich Becker (IAP)
Michael Hintermüller (WIAS)
Dietmar Kröner (MFO)

Information and Registration

www.wias-berlin.de/workshops/MMSDays19/

Deadline

Please register and submit your contributions by 27 January 2019

Contact:

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The **Leibniz Network “Mathematical Modeling and Simulation”** welcomes you to the fourth Leibniz MMS Days.

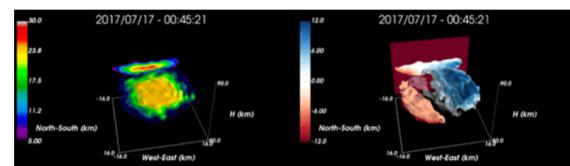
The Workshop aims to further develop the MMS networking activities in the different Institutes, presenting undergoing work using modern methods of MMS and creating a platform for discussion.

In order to account for thematic diversity, the workshop will comprise both general plenary discussions on:

- MMS related topics at large.
 - Research Software, Knowledge Infrastructures, Research Data, Reproducibility, Open Science, Data Science.
- and parallel sessions on the scientific topics:
- Computational & Geophysical Fluid Dynamics.
 - Condensed Matter Physics and Material Science.
 - Applied Inverse Problems.
 - Systems Biology and Genetics.

Key note speakers

- Klaus Neymeyr (Rostock):
How nonnegative matrix factorizations can help to decompose spectral mixture data
- Fabian Theis (Munich):
Machine learning in single cell genomics
- Juha Vierinen (Tromsø):
Estimation of the mesospheric wind field correlation and structure functions using multistatic specular meteor radars



3D brightness and line of sight velocities from polar mesospheric summer echoes obtained with aperture synthesis radar imaging (Maximum Entropy with regularization) and MIMO techniques (IAP).



Weierstraß-Institut für
Angewandte Analysis und Stochastik

www.wias-berlin.de



www.iap-kborn.de

