



# Oberwolfach Seminars 2018

## **Statistical Inference for Complex Data: Random Matrices, Random Functions and Geometry and Topology**

Organizers: Alexander Aue, Davis  
Wolfgang Polonik, Davis  
Date (ID): 20 – 26 May 2018 (1821a)  
Deadline: 19 March 2018

## **Spectral Estimates on Noncompact Manifolds and Applications to Geometry**

Organizers: Nadine Große, Freiburg  
Luciano Mari, Pisa  
Ben Sharp, Leeds  
Date (ID): 20 – 26 May 2018 (1821b)  
Deadline: 19 March 2018

## **Optimal Transport Theory and Hydrodynamics (from Euler to Monge and vice versa)**

Organizers: Yann Brenier, Paris  
Mikaela Iacobelli, Durham  
Filippo Santambrogio, Orsay  
Date (ID): 14 – 20 October 2018 (1842a)  
Deadline: 15 August 2018

## **Mathematics of Deep Learning**

Organizers: Gitta Kutyniok, Berlin  
Philipp Grohs, Wien  
Date (ID): 14 – 20 October 2018 (1842b)  
Deadline: 15 August 2018

## **Syntomic Cohomology and p-adic Hodge Theory**

Organizers: Wiesława Nizioł, Lyon  
Bruno Chiarellotto, Padua  
Pierre Colmez, Paris  
Date (ID): 18 – 24 November 2018 (1847a)  
Deadline: 15 September 2018

## **Character Formulas for Reductive Algebraic Groups**

Organizers: Simon Riche, Aubière  
Pramod Achar, Baton Rouge  
Laura Rider, Athens  
Date (ID): 18 – 24 November 2018 (1847b)  
Deadline: 15 September 2018

## **About Oberwolfach Seminars**

The Oberwolfach Seminars are organized by leading experts in the field, and address to promising Ph.D. students and excellent postdocs from all over the world. The aim is to introduce the participants to a particular interesting development. The seminars take place at the Mathematisches Forschungsinstitut Oberwolfach (MFO). The Institute covers board and lodging. By the support of the Carl Friedrich von Siemens Foundation, travel expenses can be reimbursed up to 150 EUR in average per person (against copies of travel receipts). The number of participants is restricted to 25.

### Applications including

- full name and university/institute address
- e-mail address
- short CV and publication list
- present position, university
- name of supervisor of Ph.D. thesis
- a short summary of previous work and interest
- title, ID and date of the intended seminar

should be sent preferably by e-mail (with attachments in pdf format) via [seminars@mfo.de](mailto:seminars@mfo.de) to:

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