

# July 12 – 16, 2021



HCM Workshop

## Geometric and Applied Analysis

**Organizer:** Tim Laux (Bonn)

**Location:** Lipschitz lecture hall, Mathematics Center,  
Endenicher Allee 60, 53115 Bonn

The boundaries between geometry, analysis, numerics, and the sciences have become increasingly blurred as modern problems in partial differential equations and the calculus of variations are intimately connected to all these areas.

This workshop aims to bring together experts and young researchers with diverse backgrounds ranging from numerical analysis and homogenization theory to geometric flows, optimal transport, and geometric measure theory with the goal to exchange new ideas in these fields and foster collaborations.

### Speakers:

Giovanni Alberti, Pisa  
Marcello Carioni, Graz  
Antonin Chambolle, Paris (tbc)  
Eleonora Cinti, Bologna  
Sara Daneri, L'Aquila  
Patrick Dondl, Freiburg  
Selim Esedoglu, Michigan  
Julian Fischer, IST Austria  
Harald Garcke, Regensburg

Inwon Kim, UCLA (tbc)  
Xavier Lamy, Toulouse  
Lucia De Luca, IAC-CNR, Rome  
Simon Masnou, Lyon  
Christof Melcher, RWTH Aachen  
Julia Menzel, Regensburg  
Alpár Mészáros, Durham  
Connor Mooney, UC Irvine  
Matteo Novaga, Pisa

Alessandra Pluda, Pisa  
Marcello Ponsiglione, Rome  
Matthias Röger, TU Dortmund  
Raghav Venkatraman, CMU  
Theresa Simon, Bonn  
Nung Kwan Yip, Purdue  
Caterina Zeppieri, Münster



**Contributed talks:** There will be a session for contributed talks. Please submit a title and abstract to [tim.laux@hcm.uni-bonn.de](mailto:tim.laux@hcm.uni-bonn.de) by May 31, 2021 if you are interested in presenting your research. In case you are interested in participating, please register using this form <https://www.hcm.uni-bonn.de/application-gaa-2021/>. Limited funding for early-career researchers, PhD students and researchers who have recently finished their PhD, is available. Deadline for applications (form at <https://www.hcm.uni-bonn.de/events/eventpages/2021/gaa-2021/>) is **March 31, 2021 (CET)**.