



# SHOCKING DEVELOPMENTS: NEW DIRECTIONS IN COMPRESSIBLE AND INCOMPRESSIBLE FLOWS

A Conference in Honor of Alexis Vasseur's 50th Birthday



## SPEAKERS

**Yann Brenier**  
Université Paris-Saclay

**Didier Bresch**  
CNRS and Université Savoie Mont Blanc

**Luis Caffarelli**  
The University of Texas at Austin

**Geng Chen**  
University of Kansas

**Gui-Qiang Chen**  
University of Oxford

**Peter Constantin**  
Princeton University

**Laurent Desvillettes**  
Université Paris Cité

**Alessio Figalli**  
ETH Zurich

**Irene Gamba**  
The University of Texas at Austin

**François Golse**  
École polytechnique

**Thierry Goudon**  
Inria at Université Côte d'Azur

**Maria Gualdani**  
The University of Texas at Austin

**Cyril Imbert**  
École normale supérieure (Paris)

**Pierre-Emmanuel Jabin**  
Pennsylvania State University

**Moon-Jin Kang**  
KAIST

**Alexander Kiselev**  
Duke University

**Pierre-Louis Lions**  
Collège de France

**Matthew Novack**  
Purdue University

**Laurel Ohm**  
Princeton University

**Felix Otto**  
MPI MIS

**Denis Serre**  
École normale supérieure de Lyon

**Roman Shvydkoy**  
University of Illinois at Chicago

**Luis Silvestre**  
University of Chicago

**Dehua Wang**  
University of Pittsburgh

## ABSTRACT

Our vision for this conference is to bring together experts in the mathematical theory of compressible and incompressible flows, with an emphasis on recent new ideas and directions. We are inviting speakers with diverse interests, including shock structure, kinetic theory and hydrodynamic limits, global well-posedness and long-time behavior, singular and inviscid limits, convex integration and non-uniqueness, kinetic formulations of conservation laws, collective behavior and biological systems, and numerical methods. These topics only partially reflect the diverse interests of our colleague, mentor, and friend, Alexis Vasseur, whose contributions, mathematical or otherwise, we recognize in his 50th birthday conference.

Limited funding will be available for young researchers.

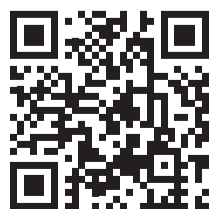
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