



## First Announcement

November 20, 2023

The 19th International Conference on

# "Hyperbolic Problems: Theory, Numerics and Applications"

July 1-5, 2024

Shanghai Jiao Tong University, PR China

<https://www.hyp2024.sjtu.edu.cn>

The 19th international conference on "Hyperbolic Problems: Theory, Numerics and Applications" (Hyp2024), will be hosted at the Shanghai Jiao Tong University, PR China, on July 1-5, 2024. The objective of this conference is to bring together researchers and students with interests in theoretical, applied, and computational aspects of hyperbolic PDEs and of other related evolutionary PDEs. We expect that this conference will provide an inspiring and productive forum: to get acquainted with the most recent developments in the area of hyperbolic problems, to stimulate and exchange new ideas from different disciplines, and to formulate new challenging problems that will have impact on diverse fields of applications. The conference will keep the traditional balance of the HYP series, blending theory, numerics and applications. Particular attention will be devoted to the following topics:

- Theory and application of Conservation Laws
- Navier Stokes, Euler Equations, and other PDEs in fluid dynamics
- Nonlinear wave equations
- Kinetic equations
- Multi Physics Models
- PDEs of mixed type
- Control Problems for Hyperbolic Equations
- PDEs in Mathematical Physics
- Stochastic PDEs
- Numerical Methods for hyperbolic PDEs

The list of plenary speakers and invited speakers includes:

### plenary speakers:

- Remi Abgrall (University of Zürich, Switzerland)
- Shi Jin (Shanghai Jiao Tong University, PR China)
- Philip Isett (California Institute of Technology, USA)
- Mária Lukáčová-Medvidová (University of Mainz, Germany)
- László Székelyhidi Jr. (Max Planck Institute for Mathematics in the Sciences, Germany)
- Alexis Vasseur (University of Texas, Austin, USA)
- Zhifei Zhang (Peking University, PR China)

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**invited speakers:**

- Paolo Antonelli (Gran Sasso Science Institute, Italy)
- Walter Boscheri (University of Ferrara, Italy)
- Juan Cheng (Beijing Institute of Applied Physics and Computational Mathematics, PR China)
- Young-Pil Choi (Yonsei University, Korea)
- Beixiang Fang (Shanghai Jiao Tong University, PR China)
- Jingwei Hu (University of Washington, Seattle, USA)
- Sergio Simonella (Sapienza University of Rome, Italy)
- Ewelina Zatorska (University of Warwick, UK)
- Zhu Zhang (The Hong Kong Polytechnic University, PR China)

Further information about the conference can be obtained from the website: <https://www.hyp2024.sjtu.edu.cn>

We urge all the interested participants to register and to submit their abstracts for contributed talks or for poster presentations at <https://www.hyp2024.sjtu.edu.cn>, after performing their registration. The online registration will start on **December 1, 2023** and close on **May 31, 2024**. The online payment system will be launched on **December 31, 2023**. Abstract submission for **contributed talks** will start on **December 1, 2023** and close on **February 29, 2024**. The deadline of abstract submission for **poster** is **March 15, 2024**.

Partial financial support will be available for young researchers. Requests for financial support must be submitted through the online registration form on the website of the conference.

Looking forward to seeing you in Shanghai,

**Yachun Li** (Co-Chair OC), Shanghai Jiao Tong University

**Ya-Guang Wang** (Co-Chair OC), Shanghai Jiao Tong University

