



#### Fourth Announcement

May 30, 2024

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
- PDEs of mixed type
- Control Problems for Hyperbolic Equations
- PDEs in Mathematical Physics
- Stochastic PDEs
- Numerical Methods for hyperbolic PDEs

There will be a special session: Sino-German session on advanced numerical methods for hyperbolic balance laws

The list of plenary speakers and invited speakers includes:

#### PLENARY

- **Remi Abgrall** (University of Zürich, Switzerland)
- **Elena Gaburro** (University of Verona, Italy), **Peter Lax Award Lecture**
- **Shi Jin** (Shanghai Jiao Tong University, PR China)
- **Tai-Ping Liu** (Stanford University, USA) , **James Glimm Lecture**
- **Mária Lukáčová-Medvidová** (University of Mainz, Germany)
- **Alexis Vasseur** (University of Texas, Austin, USA)
- **Zhifei Zhang** (Peking University, PR China)

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#### INVITED

- **Paolo Antonelli** (Gran Sasso Science Institute, Italy)
- **Walter Boscheri** (CNRS - Université Savoie Mont Blanc, France)
- **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>

The online registration will be closed on **May 31, 2024**. The deadline for online payment is **June 5, 2024**. We blocked hotels for those who already paid the registration fee and the reservation will be open to them soon. We will suggest some other hotels at the conference website before June 5.

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

