Third Announcement

April 28, 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 Universit, 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

- **Remi Abgrall** (University of Zürich, Switzerland)
- **Elena Gaburro** (University of Rordeaux, France), **Peter Lax Award Lecture**
- **Shi Jin** (Shanghai Jiao Tong University, PR China)
- **Philip Isett** (California Institute of Technology, USA)
- **Tai-Ping Liu** (Stanford University, USA) **, Jams Glimm Lecture**
- **Mária Lukácová-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)

INVITED

- **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 deadline for abstract submission is April 30, 2024.

The online registration will be closed on May 31, 2024. On-site registration payment is not accepted. The deadline for online payment is June 5, 2024, and the deadline for payment at a reduced rate is April 30, 2024. We are blocking hotel rooms according to the registration information, and the hotel information will be available at the conference website soon.

Confirmation emails have been sent to those young researchers whose application for financial support has been approved. For approved applications, the organizing committee will waive the registration fee and cover the hotel.

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