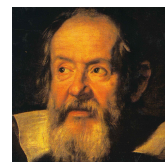**14th International Conference on
Hyperbolic Problems: Theory, Numerics, Applications**

Università di Padova
June 25-29, 2012

Third Announcement

February 27, 2012

The Fourteenth International Conference on

"Hyperbolic Problems: Theory, Numerics and Applications"

Università di Padova, Italy, June 25-29, 2012

http://www.hyp2012.eu

The fourteenth international conference on "Hyperbolic Problems: Theory, Numerics and Applications" (Hyp2012), will be hosted at the University of Padova, Italy, on June 25-29, 2012. The objective of this conference is to bring together researchers and students with interests in theoretical and computational aspects of hyperbolic PDEs and of related time-dipendent models in the applied sciences.

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:
- Singular limits and dispersive equations in mathematical physics
- Nonlinear wave patterns in multi-dimensions
- Particle/molecular dynamics
- Theory and numerics of multiphases and interfaces
- Transport in complex environments
- Control problems for hyperbolic PDEs and differential games
- General relativity and geometric PDEs

PLENARY SPEAKERS

Camillo DE LELLIS (University of Zürich)
Eduard FEIREISL (Academy of Sciences of the Czech Republic)
Song JIANG (Beijing Institute of Applied Physics and Computational Mathematics)
Pierre Louis LIONS (College de France)
Nader MASMOUDI (Courant Institute)
Siddhartha MISHRA (ETH Zürich)
Igor RODNIANSKI (MIT)
Giovanni RUSSO (Università di Catania)
James A. SETHIAN (University of California, Berkeley)
Yoshio SONE (Kyoto University)
Alexis F. VASSEUR (University of Texas at Austin)
Sijue WU (University of Michigan, Ann Arbor)
Enrique ZUAZUA (Basque Center for Applied Mathematics)

INVITED SPEAKERS

Karine BEAUCHARD (Ecole Polytechnique, Paris)
Gianluca CRIPPA (University of Basel)
David GERARD-VARET (Université Paris VII)
Jean-Luc GUERMOND (Texas A & M University)
Seung-Yeal HA (Seoul National University)
Michael HERTY (University of Aachen)
Joachim KRIEGER (EPFL, Lausanne)
Corrado LATTANZIO (Università dell'Aquila)
Jian-Guo LIU (Duke University)
Mikhail PEREPELITSA (University of Houston)
Xavier RAYNAUD (University of Oslo)
Moritz REINTJES (University of California, Davis)
Paolo SECCHI (Università di Brescia)
Michael SHEARER (North Carolina State University)
Steve SHKOLLER (University of California, Davis)
Giglilola STAFFILANI (MIT)
Shigeru TAKATA (Kyoto University)
Kun XU (Hong Kong University of Science and Technology)
Shih-Hsien YU (National University of Singapore)

Registration.
Participants of the Hyp2012 may register using the online form available at http://www.hyp2012.eu/registered-login. The deadline for the payment of the registration fee at a reduced rate is April 30, 2012.

Abstract Submission.
Registered participants of the Hyp2012 may submit their **abstracts** for **contributed talks** or for **poster presentations** using the online form available at http://hyp2012.padovameeting.com/abstract.php. Please, notice that the deadline for submission of abstracts that will receive full consideration has been postponed to March 21, 2012.

Proceedings. Plenary, Invited and Contributed speakers will have the opportunity to submit a paper for the conference proceedings, which will be published by the American Institute of Mathematical Sciences (AIMS).

Lodging.
A block of hotel rooms was secured at a reduced HYP2012 rate, for reservations made before May 15, 2012. Lodging information is available at the conference website http://www.hyp2012.eu/logistics-registration .

Looking forward to seeing you in Padova,

Fabio Ancona (Co-Chair OC)   **Andrea Marson** (Co-Chair Oc)
Università di Padova   Università di Padova

Alberto Bressan (Co-Chair SC)   **Pierangelo Marcati** (Co-Chair SC)
Penn State University   Università dell'Aquila