



# 12th International Conference on Hyperbolic Problems: Theory, Numerics, Applications

University of Maryland, College Park  
June 9 - 13, 2008



First Announcement

## The Twelfth International Conference on **"Hyperbolic Problems: Theory, Numerics, Applications"**

June 9-13, 2008

University of Maryland, College Park, USA

<http://www.hyp2008.umd.edu>

The twelfth International Conference on "Hyperbolic Problems: Theory, Numerics and Applications" (HYP2008) will be held at the University of Maryland on June 9-13, 2008. The objective of this conference is to bring together researchers, practitioners and students with interest in theoretical and computational aspects of hyperbolic PDEs and related time-dependent models.

We expect HYP2008 will provide an inspiring and productive forum to exchange and stimulate ideas from different disciplines; to formulate new challenging problems that will have impact on diverse fields of applications; and to learn about the recent developments in frontiers of theory and numerics in hyperbolic problems.

The conference will keep the traditional balance of the HYP series, blending theory, numerics and applications. In addition to ongoing applications, it will include new focal points on

- (\*) Singular limits
- (\*) Nonlinear wave patterns in multi-dimensions
- (\*) Particle/molecular dynamics
- (\*) Theory and numerics of interfaces and multiphase flows
- (\*) Transport in complex environments
- (\*) Model reduction - coupling and decompositions

We have an impressive list of plenary and invited speakers. A partial list of confirmed plenary speakers include

**Sylvie Benzoni-Gavage** (Lyon)

**Gui-Qiang Chen** (Chicago)

**Shuxing Chen** (Shanghai)

**Michael Fisher** (College Park)

**Francois Golse** (Paris)

**Shi Jin** (Madison)

**Alex Kiselev** (Madison)

**Peter Markowich** (Cambridge)

**Sergei Novikov** (College Park)

**Stanley Osher** (Los Angeles)

**Benoit Perthame** (Paris)

**Benedetto Piccoli** (Rome)

**Saul Teukolsky** (Ithaca)

Further information about the conference can be obtained from the website:  
[www.hyp2008.umd.edu/](http://www.hyp2008.umd.edu/).

We urge all interested participants to register and to submit their abstracts online <http://www.hyp2008.umd.edu/login.aspx> at their earliest convenience. The target date for submission of abstracts which will receive full consideration is **February 29, 2008**. The deadline for registration at a reduced rate is **April 11, 2008**.

A block of hotel rooms nearby Campus was secured at a reduced HYP2008 rate, for reservations made before **May 9, 2008**. Detailed schedule and lodging information is available at the conference website.

Partial support, primarily for young researchers is expected to be available pending approval of outside funding.

Looking forward to seeing you in College Park,

**Eitan Tadmor, Jian-Guo Liu and Thanos Tzavaras**  
University of Maryland, College Park