

# X Americas

## Conference on Differential Equations and Nonlinear Analysis

### Buenos Aires - February 2015

February 9 - 13 Mini-courses / February 16 - 20 Conference

#### Plenary Lecturers

**Nils Ackermann**

Universidad Nacional Autónoma de México, Mexico

**Rafael Benguria**

Pontificia Universidad Católica, Chile

**Luis Caffarelli**

University of Texas at Austin, USA

**Sue Ann Campbell**

University of Waterloo, Canada

**Jorge Cossio**

Universidad Nacional de Colombia, Colombia

**Panagiota Daskalopoulos**

Columbia University, USA

**Julián Fernández Bonder**

Universidad de Buenos Aires, Argentina

**Felipe Linares**

Instituto de Matemática Pura e Aplicada, Brazil

**Mónica Musso**

Universidad de Chile, Chile

**Maria Jose Pacifico**

Universidade Federal do Rio de Janeiro, Brazil

**Julio Rossi**

Universidad de Alicante, Spain and Universidad de Buenos Aires, Argentina

**Gigliola Staffilani**

Massachusetts Institute of Technology, USA

**Robert Strain**

University of Pennsylvania, USA

**Tatiana Toro**

Washington University, USA

**Juan Luis Vazquez**

Universidad Autónoma de Madrid, Spain

**Thomas Wanner**

George Mason University, USA

**Jianhong Wu**

York University, Canada

**Yingfei Yi**

Georgia Tech, USA

#### Focus Sessions

*Subjects / Organizers*

**Control and Optimization****Hugo Leiva**

Universidad de Los Andes, Venezuela

**Luz de Teresa**

UNAM, Mexico

**Dispersive Equations****Gustavo Ponce**

University of California, Santa Barbara, USA

**Diego Rial**

Universidad de Buenos Aires, Argentina

**Dynamical Systems****Rafael de la Llave**

Georgia Institute of Technology, USA

**Michael Li**

University of Alberta, Canada

**Elliptic equations****Raul Manasevich**

Universidad de Chile

**Pablo Amster**

Universidad de Buenos Aires, Argentina

**Free Boundary Problems****Arshak Petrosyan**

Purdue University, USA

**Eduardo Teixeira**

Univ. Federal do Ceara, Brazil

**Nonlocal Phenomena****Peter Bates**

Michigan State University, USA

**Alexis Vasseur**

University of Texas, Austin, USA

#### Courses

**Ivar Ekeland**

University of Paris Dauphine and University of British Columbia, Canada

*Asymmetry of information: how to deal with people who lie and cheat*

**Irene Fonseca**

Carnegie Mellon University, USA

*$\Gamma$ -Convergence and Applications to Phase Transitions*

**Irene Gamba**

University of Texas at Austin, USA

*Analytical and computational issues to collisional kinetic transport in particle interacting systems*

**Konstantin Mischaikow**

Rutgers University, USA

*Computational Topology and Dynamics*

**Jorge Sotomayor**

Universidade de Sao Paulo, Brazil

*Differential Equations for Principal Curvature Structures on Hyper-surfaces of Euclidean Spaces*

**Thaleia Zariphopoulou**

University of Texas at Austin, USA

*Partial differential equations in Risk Management*

Participants are invited to submit contributed talks, communications and posters.

#### Scientific Committee

Luis Caffarelli, University of Texas, Austin, USA

Alexandre Carvalho, Universidade de Sao Paulo, Brazil

Monica Clapp, Universidad Autónoma de México, México

Rafael de la Llave, Georgia Tech, USA

Irene Gamba, University of Texas, Austin, USA

Carlos Kenig, Chicago University, USA

Konstantin Mischaikow, Rutgers University, USA

Raul Manasevich, Universidad de Chile, Chile

James Muldowney, University of Alberta, Canada

Noemí Wolanski, Universidad de Buenos Aires, Argentina

#### Organizing Committee

Irene Drelichman, Universidad de Buenos Aires, Argentina

Julián Fernández Bonder, Universidad de Buenos Aires, Argentina

Claudia Lederman, Universidad de Buenos Aires, Argentina

Sandra Martínez, Universidad de Buenos Aires, Argentina

Leandro del Pezzo, Universidad de Buenos Aires, Argentina

Juan Pablo Pinasco, Universidad de Buenos Aires, Argentina

Nicolás Saintier, Univ. de Bs As and Univ. de Gral. Sarmiento, Arg.

Joana Terra, Universidad de Buenos Aires, Argentina



The Abdus Salam  
International Centre  
for Theoretical Physics



I M A S



U B A



AMBASSADE DE FRANCE EN ARGENTINE