

Mathematical Geophysics 2014

2-6 June 2014

Mérida, Yucatán, Mexico

Local Organizing Committee

National Autonomous University of Mexico (UNAM)

Francisco J. Sánchez-Sesma (Conf. Chair) Engineering Institute
Fabián García-Nocetti (Program Co-Chair) Applied Math Institute
Graciela S. Herrera-Zamarrón (Program Co-Chair) Geophysics Inst
Ursula Iturrarán-Viveros (Program Co-Chair) School of Sciences
Juan José Perez-Gavilán (Finance Co-Chair) Engineering Institute

**Mathematical and Computational Modeling:
An international conference to honor
Professor Ismael Herrera**

Scientific Program

Sessions

1. Monday June 2, 2014

Computational geophysics

Convener – Jacobo Bielak (Carnegie Mellon University)

Convener – Héctor Benitez (IIMAS, UNAM)

Opening Lecturer – Ismael Herrera (Geophysics Institute UNAM)

2. Monday June 2, 2014

Four paradigms in predicting extremes: Legacy of Vladimir I. Keilis-Borok

Conveners

Alik Ismail-Zadeh, Karlsruhe Institute of Technology, Germany

Ilya Zaliapin, University of Nevada Reno, USA

Yehuda Ben-Zion, University of Southern California, USA

3. Tuesday June 3, 2014

Nonlinear phenomena in the climate system

Covener, Henk Dijkstra (Institute for Marine and Atmospheric research Utrecht - IMAU)

4. Tuesday June 3, 2014

Mathematical and numerical modeling of enhanced oil recovery

Convener – Luis Miguel de la Cruz (Geophysics Institute UNAM)

Convener – John Chen (University of Calgary)

5. Wednesday June 4, 2014

Fluids, friction and rheology, in rocks and porous media

Convener - Renaud Toussaint (Univ. Strasbourg, France)

Convener - Graciela Herrera-Zamarrón (Geophysics Institute *UNAM*)

6. Wednesday June 4, 2014

Ambient seismic noise, diffuse fields and interferometry

Convener - Francisco Sánchez Sesma (Engineering Institute *UNAM*)

Convener - Michel Campillo (ISTerre, University J Fourier, Grenoble)

7. Thursday June 5, 2014

Field trip to Chichen-Itza

8. Friday June 6, 2014

Surface-atmosphere interaction

Convener Fabio D'Andrea (ENS, France)

Convener - Arón Jazcilevich Daimant (Atmospheric Sc. Center *UNAM*)

9. Friday June 6, 2014

Ocean vertical velocities: from the scales of dissipation to the global overturning

Convener - Annalisa Bracco (Georgia Tech)