

International Conference



2016
August 22-26
Querétaro

Welcome

The conference Waves in Science and Engineering 2016 will be held on August 22-26 at the Querétaro campus of the Center for Research and Advanced Studies of the National Polytechnic Institute (Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional or simply Cinvestav <http://qro.cinvestav.mx/>). It is intended to bring together experts from different fields in the general area of classical wave theory, analysis, differential equations and applications, including acoustic, electromagnetic, and elastic wave propagation. The mathematical and numerical modeling procedures in these fields contribute to a considerable number of applied physical and engineering problems, over a large range of length scales.

Among these are problems in sonar, radar, medical imaging, detection, materials, and wave interactions with surfaces and obstacles.

The conference will cover many of the current mathematical and numerical techniques that are applied across disciplines. Mathematicians, physicists, and engineers of varying backgrounds and occupations will present recent developments in wave phenomena in science and engineering.

Scientific Committee

1. Sergei Avdonin, University of Alaska, Fairbanks, USA
2. Swanhild Bernstein, Freiberg Bergakademie, Germany
3. Gennadiy Burlak, Univ. Autónoma del Estado de Morelos, Mexico
4. Andrés Fraguera, Benemérita Univ. Autónoma de Puebla, Mexico
5. Uwe Kähler, Universidad de Aveiro, Portugal
6. Karima Khusnutdinova, Loughborough University, UK
7. Vladislav Kravchenko, Cinvestav del IPN, Mexico
8. Alexander Kudrin, University of Nizhny Novgorod, Russia
9. Juliette Leblond, INRIA Sophia-Antipolis, France
10. Alexander Nosich, Inst. Radiophysics and Electronics, Ukraine
11. R. Michael Porter, Cinvestav del IPN, Mexico
12. Vladimir Rabinovich, Instituto Politécnico Nacional, Mexico
13. Stephen Shipman, Louisiana State University, USA
14. Ioannis Stratis, University of Athens, Greece
15. Sergii Torba, Cinvestav del IPN, Mexico

Registration Fee

Registration fee (including coffee breaks, lunches, conference banquet, excursion and transportation between the Hotel Misión and the Cinvestav) is \$300.00 USD (Hotel accommodation is not included).

The electronic payment system will be available soon with a reduction for early payment.

Organizers

Vladislav Kravchenko (Chairman)	vkravchenko@math.cinvestav.edu.mx
R. Michael Porter	mike@math.cinvestav.edu.mx
Sergii Torba	storba@math.cinvestav.edu.mx
Héctor Oviedo	hectorovie@yahoo.com.mx
Vladimir Rabinovich	vladimir.rabinovich@gmail.com
Raúl Castillo	raulcastillo@hotmail.com

Accommodation

The base hotel for participants of the WIS&E Conference (offering a special rate) is the five-star Hotel Misión Juriquilla

http://www.hotelesmision.com.mx/queretaro_juriquilla.php

Conference Website

www.qro.cinvestav.mx/wise2016



Important Dates

Deadline for Registration	June 20, 2016
Deadline for Abstract Submission	June 20, 2016
Deadline for Acceptance Notification	June 25, 2016
Deadline for the Registration Fee Payment	July 31, 2016

Confirmed Plenary and Invited Speakers

1. Sergei Avdonin, University of Alaska, Fairbanks, USA
2. Juliette Leblond, INRIA Sophia-Antipolis, France
3. Gerald Teschl, University of Vienna, Austria
4. Ioannis Stratis, National and Kapodistrian University of Athens, Greece
5. Vyacheslav Pivovarchik, South-Ukrainian National Pedagogical University, Ukraine

General Topics

- Electromagnetic waves
- Acoustic waves
- Gravitational waves
- Quantum waves
- Oceanic waves
- Propagation in complex media
- Differential equations
- Modelling and simulation
- Mathematical methods in wave phenomena
- Scattering theory
- Nonlinear waves
- Integral equations
- Inverse problems
- Surface scattering
- Remote sensing
- Medical imaging
- Numerical algorithms

Contacts

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