

International Conference



2016
August 22-26
Queretaro

Welcome

The conference Waves in Science and Engineering 2016 will be held on August 22-26 at campus Queretaro 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.

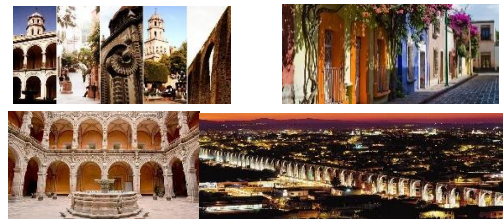
The conference will cover many of the current mathematical and numerical techniques that are applied across disciplines. Mathematicians, physicists, and engineers of varying backgrounds and occupations will present recent developments in wave phenomena in science and engineering.

The conference hotels for participants of the WIS&E Conference (offering special rates) are enlisted on the webpage of WIS&E.

<http://qro.cinvestav.mx/index.php/accommodation>

Conference Website

www.qro.cinvestav.mx/wise2016



Important Dates

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

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

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
- Modeling and simulation
- Mathematical methods in wave phenomena
- Scattering theory
- Nonlinear waves
- Integral equations
- Inverse problems
- Surface scattering
- Remote sensing
- Medical imaging
- Numerical algorithms

Registration Fee

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

The electronic payment system is available on the conference webpage with a reduction for early payment.

Contacts

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<https://www.facebook.com/Waves-in-Science-and-Engineering-WISE-185124874971021/>
<https://twitter.com/WiseMexico>

Organizers

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Accommodation