International Workshop on Sound-enabled Nanotechnologies (IWSENT2018)

November 26-29, 2018. Valencia, Spain.

Scientific Topics

1. Surface Acoustic Wave (SAW) technology and new materials
2. SAW sensors and fluidics
3. SAW-based quantum transport
4. SAW-driven single-photon sources
5. Acousto-optics
6. SAW-induced polaritons
7. Phonon lasers
8. Phonon detection
9. Micro- and nano-scale optomechanical cavities
10. Electro-mechanical excitation and opto-mechanical readout of phonon signals
11. Coherent phonon control for signal processing and synchronization
12. Opto-mechanics in the quantum regime

Organizers

- Mauricio de Lima (Univ. de Valencia, Spain)
- Jorge Pedrós (Univ. Pol. de Madrid, Spain)
- Davide Mencarelli (Univ. Pol. delle Marche, Italy)

Plenary Speakers

- Ken-ya Hashimoto (Chiba Univ., Japan)
- Tony Jun Huang (Duke Univ., USA)
- Tobias Kippenberg (EPFL, Switzerland)
- Florian Marquardt (MPI-SL, Germany)
- Baile Zhang (Nanyang Tech. Univ., Singapore)

Invited Speakers

- Ausrine Bartasyte (Institut FEMTO-ST, France)
- Mircea Dragoman (IMT, Romania)
- Ivan Favero (CNRS, France)
- Francisco Guinea (IMDEA Nanoscience, Spain)
- Vincent Laude (Institut FEMTO-ST, France)
- Mo Li (Univ. of Minnesota, USA)
- Daniel Navarro (ICN2, Spain)
- Leopoldo Martín (Univ. Pol. de Valencia, Spain)
- Mamoru Matsuo (Tokohu Univ., Japan)
- Oliver Wright (Hokkaido Univ., Japan)

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SAWtrain network

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