



SAWtrain Summer School

July 11–21, 2017: Institut d'Études Scientifiques
de Cargèse, Corsica, France



ABSTRACT DEADLINE MARCH 20, 2017
summerschool.sawtrain.eu

Physics and Applications of GHz Vibrations



TOPICS

Physics of Vibrations

Introduction to Phonons & GHz Bulk and Surface Acoustic Waves (SAWs) / Nanomechanics / Nanofluidics

Technology for SAWs on semiconductors and related materials

Modelling / Sensors / Nanomechanical devices / Acousto-PhotoCatalysis / SAWs and Graphene

Acousto-Optics

Acousto-optics/integrated optics using SAWs / Photonic and Phononic crystals / Microcavities and polaritons / Plasmonics & Acoustics

SAW Based Quantum Transport

Semiconductor quantum dots & flying qubits / Superconducting qubits / Quantum information / Single carrier manipulation with SAWs / Single Photon Sources / Quantum Acoustics

General Topics on Phonons—Future Perspectives

Research in an Industrial Environment / Phonons in Electronic Devices / Energy Conversion

LECTURERS

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A. Cleland (University of Chicago, USA)

M. M. de Lima, Jr (Univ. of Valencia, Spain)

P. Delsing (Chalmers University, Sweden)

W. Dietsche (Max-Planck-Institut, Germany)

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ORGANIZERS

Christopher Bäuerle / Per Delsing / Paulo V. Santos / Achim Wixforth

REGISTRATION

Registration fees: MSc/PhD €700 (€600 early bird) / PostDocs €800 (€700 early bird) / Senior Scientists €950 (€850 early bird)—<http://summerschool.sawtrain.eu/application.html>

The registration fee covers all Summer School events, including one excursion; accommodation in double rooms from 10–21 July; breakfasts, lunches, coffee breaks, one conference dinner; bus transfer from Ajaccio airport to Cargèse (on Monday July 10) and back (on Friday July 21).



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