

submitting author last name	submitting author first name	Title	Presenting author last name	final decision
Achilleos	Vassos	Energy transport in a disorder granular lattice	Achilleos	oral
Alonso-Redondo	Elena	Hypersonic phononic particle brush materials	Alonso-Redondo	oral
Al-Otaibi	Jawaher	Phonon transport in PbTe-PbSe nanocomposites	Al-Otaibi	oral
Altfeder	Igor	Quantum Interference Patterns of Two Dimensional Phonons	Altfeder	oral
Alzina	Francesc	Silicon nanomembrane-based phononics	Alzina	oral
Andrea	Luc	Ab initio phonon properties in doped Ni(Ti,Zr,Hf)Sn half-Heusler thermoelectric materials.	Andrea	oral
Apostolakis	Apostolos	Acoustic Control of Electron Dynamics in Semiconductor Superlattices	Apostolakis	oral
Avice		Sub-THz phonons transmission in organic-inorganic hybrid materials.	Avice	poster
Ban	Shiliang	Influence from the two-mode property of transverse-optical phonons on the electronic mobility in wurtzite Al _x Ga _{1-x} N/GaN quantum wells	Ban	oral
Belliard	Laurent	Direct Observation of Gigahertz Coherent Guided Acoustic Phonons in Free-Standing Single Copper Nanowires	Belliard	oral
Bojahr	Andre	Nonlinear Phononics on the Nanoscale	Bojahr	oral
Brick	Delia	Generation and Analysis of Coherent Acoustic Phonons in Rolled-up GaAs/InGaAs Superlattices	Brick	poster
Carusela	María Florencia	A phononic field-effect transistor. A proposal of an analog mechanical model.	Carusela	poster
Chang	Chih-Wei	Micron-scale ballistic thermal conduction in two kinds of SiGe nanowires at room temperature	Chang	oral
Chang	Chia-Lin	Optical Generation and Detection of In-Plane Surface Magnetoelastic Waves	Chang	poster
Czerniuk	Thomas	Lasing from active optomechanical resonators	Czerniuk	oral
Daly	Brian C.	Picosecond Ultrasonic Studies of Surface Acoustic Waves on Patterned Layered Nanostructures	Daly	oral
Devos	Arnaud	Acousto-optic resonance in ultra-thin silicon membranes	Devos	oral
Devos	Arnaud	Hypersound measurement in silica at low temperature by ultrafast acoustics	Devos	poster
Duquesne	Jean-Yves	Acoustic control of magnetization in a ferromagnetic semiconductor thin film	Duquesne	oral
Elsaesser	Sebastian	Raman spectroscopy with spin-phonon coupling as a quasi-local probe of magnetic order in multiferroic Eu(1-x)Ho(x)MnO(3) compounds	Elasser	oral
Fainstein	Alejandro	Optomechanics in GaAs Vertical Pillar DBR Cavities	Fainstein	oral
Foret	Marie	Vitreous silica pressurized under helium fluid	Foret	oral
Forrest	Thomas	Experimental and theoretical studies of the lattice dynamics in superconducting BaNi ₂ (As _{1-x} Px) ₂ .	Forrest	oral
Gendelman	Oleg	Heat conduction in a model of dissociating atomic chain	Gendelman	oral
Gendelman	Oleg	Heat conduction in a one-dimensional chain of disks with random mass distribution	Zolotarevskiy	poster
Girard	Adrien	Resonance effects in the detection of vibrational modes of coupled gold nanoparticles	Girard	oral
Grossmann	Martin	Hypersonic Lamb Waves in Silicon Membranes	Grossmann	oral
Guillet	Yannick	Ultrasensitive Brillouin scattering detection of the GHz hypersounds generated by an optically excited single nanorod	Guillet	oral
Guo	Yuning	High frequency Lamb waves and surface acoustic waves in 2D phononic crystals	Guo	poster
Hauber	Anna	Phonon content of collective modes and carrier mobility in highly-doped polar semiconductors	Hauber	oral
Henry	Asegun	Thinking beyond the phonon gas model	Henry	oral
Hernandez Charpak	Jorge Nicolas	Thickness dependence of the elastic properties of thin films at dimensions <<50nm	Hernandez Charpak	poster
Hernandez Charpak	Jorge Nicolas	Uncovering collective diffusion from nanoscale heat sources with coherent EUV beams	Hernandez Charpak	oral
Heywood	Sarah	Heterodyne detection of coherent acoustic waves in a Schottky diode	Heywood	oral
Hofmann	Felix	Helium-implantation-induced changes in elastic properties of tungsten: surface acoustic wave measurements and multiscale modelling	Hofmann	oral
Hou	Chenguang	Finite Element Simulations of Surface Acoustic Waves in Nanostructured Phononic Crystals with Defects	Hou	oral

Iwasa	Kazuaki	Nucleation of metastable superlattice in soft anharmonic phonon systems RB6 (R = Gd and Tb)	Iwasa	oral
Jaber	Wassim	Phonon heat conduction from sub-mean free path sources measured with electrical means	Jaber	oral
Jean	Valentin	Thermal rectification in silicon nanofilm with non-constant porosity	Jean	oral
Jean		Monte Carlo modelling of phonon transport across a tip/sample interface in a SThM experiment	Jean	poster
Jho	Young-Dahl	Role of graphene for heat dissipation in LEDs: the coherent phononic perspective	Jeong	oral
Jho	Young-Dahl	Active phase modulation of coherent phonons	Jho	poster
Jusserand	Bernard	Photoelastic resonances in phononic structures	Jusserand	oral
Kini	Rajeev	Generation of coherent acoustic phonons in GaAs _{1-x} Bix	Joshya	oral
Kini	Rajeev	Elastic constant and velocity of sound in Zr thin film using Picosecond Ultrasonics technique	Kini	poster
Kislov	Alexey	Effects of Si vacancies on the structure and the vibrational spectrum of quartz	Kislov	poster
Koreeda	Akitoshi	Optical control of Second Sound in Quantum Paraelectric SrTiO ₃	Koreeda	oral
Krenner	Hubert J	Fourier Synthesis and timbre tuning of tailored nanomechanical pulses	Krenner	oral
Krenner	Hubert J	Radio frequency acousto-mechanical tuning of a photonic molecule	Krenner	poster
Lanzillotti-Kimura	Norberto D	Optophononic resonators based on band-inversion design	Lanzillotti-Kimura	poster
Lehmann	Dietmar	Phonon-drag thermopower in graphene: the significance of flexural phonons and of in-plane transverse phonons	Lehmann	poster/reserve
Li	Wu	Role of the filler in the reduction of thermal conductivity in skutterudites	Li	oral
Liu	Yanqing	Significant Reduction of Thermal Conductivity in a Nanostructured Semiconductor Single Crystal	Liu	oral
Maasilta	Ilari	Low temperature thermal properties of two-dimensional phononic crystals	Maasilta	oral
Maire	Jeremie	Thermal conductivity tuning by disorder in Silicon phononic crystal	Maire	oral
Mante	Pierre-Adrien	Confinement effect on phonon-photon coupling in semiconductor nanowires	Mante	oral
Margueritat	Jérémie	Ultra Low Frequency Raman Scattering of Silver Nano-Needles	Margueritat	oral
Martinho	Herculano	Quantum effects in glassy state of biomolecules: the case of L-cysteine	Martinho	oral
Massoud	Mouhannad	Effective thermal conductivity of nanophononic membrane strips investigated by scanning thermal microscopy and Raman thermometry	Massoud	oral
Maznev	Alexei	Upholding the diffraction limit in the focusing of light and sound	Maznev	oral
Maznev	Alexei	Lifetime of THz coherent phonons in InGaN/GaN structures	Maznev	poster
Maznev	Alexei	Resonant attenuation of surface acoustic waves by a strip of microspheres	Maznev	Poster
Merabia	Samy	Thermal transport across metal-non metal interfaces and core-shell nanoparticles	Merabia	oral
Merabia	Samy	Nanobubbles around hot plasmonic nanoparticles	Merabia	poster
Mizuno	Seiji	Frequency gaps not originating from Bragg reflection in a solid-liquid phononic crystal	Mizuno	oral
Mizuno	Seiji	Acoustic phonon modes in hexagonal-cross-section nanowires with a wurtzite structure	Mizuno	poster
Murphy	Ronan	Reducing the Thermal Conductivity by Driving PbTe and PbSe _{0.5} Te _{0.5} to a Phase Transition using Strain	Murphy	oral
Murphy-Armando	Felipe	Electron-hole recombination in Bismuth from First Principles	Murphy-Armando	oral
Murray	Éamonn	First-principles calculation of femtosecond symmetry-breaking atomic forces in photoexcited bismuth	Murray	oral
Nakamura	Nobutomo	Softening of Co/Cu multilayers studied by picosecond ultrasonics	Nakamura	poster/reserve
Nefzaoui	Elyes	Phonon confinement analyzed with the Boltzmann transport equation solved by the discrete ordinates method in 1D and 2D configurations	Nefzaoui	oral
Nghiem	Trang	Heat transfer through a phononic array in the linear and non-linear regimes	Nghiem	oral
Nikonkov	Ruslan	Thermal Conductivity of Simple van der Waals Crystal Based Nanocomposites	Nikonkov	poster
Ogi	Hirotsugu	Ultrafast Heat Transport Across Protein Layer: The Microdot Biosensor Array	Ogi	poster
Ogi	Hirotsugu	Thermal Mode Spectroscopy for Measuring Thermal Conductivity of Small Solids	Ogi	oral
Ordonez-Miranda	Jose	Thermal Energy Transport in a Surface Phonon-Polariton Crystal	Ordonez-Miranda	oral
Page	John	Phonon transport in weakly confined granular media	Page	oral

Péraud	Jean-Philippe	Asymptotic solution methods for the phonon Boltzmann equation and application to the Kapitza conductance problem	Péraud	oral
Peronne	Emmanuel	Temperature dependence of hypersound attenuation in silica films via ultrafast acoustics	Peronne	oral
Photiadis	Douglas	Phonon propagation in a suspension of 1D filaments - self consistent theory	Photiadis	oral
Poduri	Shripriya	Study of Anisotropy of electron-phonon coupling for grown CdS nanowires	Stroscio	poster
Poyser	Caroline	Coherent Phonon Optics	Poyser	oral
Pudell	Jan-Etienne	Ultrafast Magnetostriction in Heavy Rare Earth Metals studied by Ultrafast X-Ray Diffraction	Pudell	poster
Puurtinen	Tuomas A.	Radial phononic thermal conductance in thin membranes in the Casimir limit	Puurtinen	oral
Qu	Yuan	Effects of ternary mixed crystal and size on intersubband optical absorption in wurtzite InGaN/GaN core-shell nanowires.	Qu	poster
Qu	Yuan	Interface Optical Phonons in Wurtzite GaN/InGaN Core-multilayered Shells Nanowires	Qu	poster
Ravichandran	Navaneetha Krishnan	Direct Measurement of Phonon Specularity in Silicon membranes using Transient Grating Spectroscopy	Ravichandran	oral
Ravichandran	Navaneetha Krishnan	Quasiballistic Thermal Transport in Time Domain Thermoreflectance	Ravichandran	poster
Reiter	Doris	Squeezed phonons created by ultrafast optical excitation of a semiconductor quantum dot	Reiter	oral
Ruello	Pascal	Coherent longitudinal and shear acoustic phonons monitored by ultrafast laser pulses in ferroelectric BiFeO ₃ .	Lejman	oral
Ruello	Pascal	Ultrafast light-induced Coherent Optical and Acoustic Phonons in few Quintuple Layers of Topological Insulators Bi ₂ Te ₃	Ruello	oral
Saaskilahti	Kimmo	Spectral analysis of non-equilibrium phonon transmission in the Fermi-Pasta-Ulam chain	Saaskilahti	oral
Santos	Paulo	GHz ring racetracks for surface vibrations	Santos	poster
Scherbakov	Alexey	Resonant driving of magnetization by monochromatic coherent phonons	Scherbakov	oral
Shiomi	Junichiro	Thermal conductivity and rectification study of restructured Graphene	Anuj Arora	oral
Sichkar	Sergey	Dynamical and transport properties of HfB ₂ , ScB ₂ and MgB ₂	Sichkar	oral
Sjakste	Jelena	Electron-phonon and phonon-phonon coupling in semiconductors and bismuth: theoretical approaches	Vast	oral
Stroscio	Michael. A.	Resonant Interface-Phonon-Assisted Transitions to Enhance Transition Rates in Single-Well—Double-Well Heterostructure Photodetectors	Stroscio	oral
Stroscio	Michael	Second-Order Phonon-Assisted Processes, Carrier Relaxation by Phonon Emission, and Plasmonic Processes in Silicon Photoluminescence	Stroscio	poster
Sun	Chi-Kuang	Investigation of Hypersonic Wave's Transmission at the Interface between a Nanorod Array and a Bulk Substrate	Szu-Chi Yang	oral
Sun	Chi-Kuang	Measurement of Phonon Transports through an Atomically-thin Interfacial Layer by THz Ultrasonics	Hui-Yuan Chen	oral
Sun	Chi-Kuang	Coherent Longitudinal Acoustic Phonon Generation at Few Layer Graphene – Substrate Interface	Szu-Chi Yang/Hui-Yuan Chen	poster
Szewczyk	Daria	Thermal properties of a low-dimensional glass	Szewczyk	oral
Taira	Hisao	Electron-phonon interaction in a dynamically curved graphene	Taira	oral
Tavakoli	Adib	Specific heat of 2D suspended SiN membranes at low temperature	Tavakoli	oral
Termentzidis	Konstantinos	Phonons in anisotropic nanostructures	Termentzidis	oral
Tobey	Raanan I.	Frequency Tunable Surface Magneto-Elastic Waves in a Nickel Film	Janusonis	oral
Underwood	Jason	A cryogenic platform for precision calorimetric measurements	Underwood	poster
Wakiya	Kazuhei	Inelastic x-ray scattering study of phonon dispersions in caged compounds RT ₂ Zn ₂₀ (R: rare earth, T: transition metal)	Wakiya	poster
Wang	Zhiping	Electron-phonon interaction and effects of ternary mixed crystals in spherical core-shell quantum dots	Wang	poster
Weiss	Georg	Probing individual atomic tunneling systems with superconducting qubits	Weiss	oral
Wigger	Daniel	Acoustic phonon wave packet emission caused by switching on the optical excitation of a quantum dot	Wigger	oral
Wilson	Richard	Intrinsic Limits to the Interfacial Thermal Conductance	Wilson	oral

Wilson	Thomas E	Generation of coherent single-polarization 246 GHz nanosecond-pulsed longitudinal acoustic phonons in nipi silicon doping superlattices	Wilson	oral
Xiong	Shiyun	Thermal conductivity reduction in Si membrane with alloying and surface engineering	Xiong	oral
Yan	Zuwei	Bound Polaron in a Strain GaN/AlxGa1-xN Cylindrical Quantum Dot	Yan	poster
Yang	Xiaolong	Phonon scattering by nanoscale precipitates in thermoelectric composites	Yang	poster
Yang	Fan	The study of interaction, nonlinear and dissipation effects in nanomembranes by investigating the dispersion relations of bending waves	Yang	poster
Zalalutdinov	Maxim	Acousto-optic probing of live stem cells	Zalalutdinov	oral
Zhang	Qing-ming	Magnetic-field modulated Raman mode in few-layer MoS2	Zhang	poster