

Poster Session I

13 August, Monday.
7:30-9:30 pm

Poster Number	Session	Corresponding Author	Title
P-I-1	Acoustic Nonlinear Phonons	S.V. Dmitriev	Fractal Structures in Multi-Soliton Collisions
P-I-2		Y.Hiki	Computer Experiments on Phonons and Solitons in Two-Dimensional Hexagonal Crystals
P-I-3		W. Singhsomroje	Studies of Dispersion and Soliton Formation of Longitudinal Acoustic Phonons in Crystalline Solids
P-I-4	Phonon Transport	B.C. Daly	Molecular Dynamics Studies of Heat Flow in Two and Three Dimensions
P-I-5		H.W. de Wijn	Relaxation of an Optically Created Phonon Void
P-I-6		H. Fujishiro	Thermal Diffusivity of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ up to 1200 K
P-I-7		P. He	Analysis of Lattice Thermal Conductivity of Si Thin Films Considering the Effect of Phonon Dispersion on Three Phonon Processes
P-I-8		M. Ikebe	Effect of Oxygen Content Variation on Phonon Heat Transport in $\text{La}_{0.75}\text{Ca}_{0.25}\text{MnO}_{3+\delta}$
P-I-9		V.V. Ivanov	The Scattering of Non-Equilibrium Phonons in Al_2O_3 Nanoceramics
P-I-10		V.A. Konstantinov	Thermal Transport by Extended and Localized Phonons in Mixed Cryocrystals
P-I-11		C. Laermans	Ultrasound Versus Thermal Conductivity in Ge Clathrates
P-I-12		A. Melikyan	Thickness Dependence of Sound Velocity in Ultrathin Metallic Films
P-I-13		A. Sergeev	Phonon Drag in Disordered Films and Structures
P-I-14		A. Smontara	Anisotropy in Thermal Conductivity of $(\text{TaSe}_4)_2\text{I}$
P-I-15		T. Takase	Debye Type Saw Attenuation in C_{60} Thin Films Below Glass Transition Temperature
P-I-16		S. Volz	Si Crystal Thermal Conductance in the TeraHertz Frequency Range by Molecular Dynamics
P-I-17	E-PH	A. Alatas	Measurement of the Valence Electron form Factor of Simple Metals from Phonon Intensities
P-I-18		H. Fujishiro	Anomalous Phonon Transport Enhancement at First-Order Ferromagnetic Transition in $(\text{Gd}, \text{Sm}, \text{Nd})_{0.55}\text{Sr}_{0.45}\text{MnO}_3$
P-I-19		T. M. Gassym	The Distribution Function of Phonons in Semiconductors and Semimetals in High Electric and Arbitrary Magnetic Fields
P-I-20		N. Grigorchuk	New Features of Exciton and Polariton Attenuation on the LA-phonons of Crystals
P-I-21		V.A. Lykah	About Existing of the 'Rotation' Polaron in Molecular Cryocrystals

P-I-22		S.I. Manokhin	Electron-Phonon Scattering and Thermoelectric Power of High-Temperature Superconductors
P-I-23		V. Mitin	Quantum-Dot Photodetector Operating at Room Temperatures
P-I-24		Y.S. Ponosov	E_{2g} Phonon Self-Energies in HCP Transition Metals at High Pressure
P-I-25		V.V. Samedov	Probable Explanation of Spatial Dependence of STJ Response in Experiments with LTSEM
P-I-26		D. A. Semagin	Resonance Magneto-Electric Effects Near the Surface in a Dielectric
P-I-27		P.C. Sharma	Phonon Scattering by Electrons in Doped Semiconductors in Intermediate Concentration Region
P-I-28		M.R. Singh	Acoustic Phonon and Dressed Polariton Interaction in Dispersive and Photonic Band Gap Materials
P-I-29		M. Tkach	Peculiarities of electron-Phonon Interaction in Quantum Wire embedded into Semiconductor Medium (HgS/CdS)
P-I-30		M. Tkach	Electron Spectrum Renormalized Due to Interaction with L- and I- Phonons in Quantum Dot Embedded Into Semiconductor Medium (GaAs/ $Al_xGa_{1-x}As$)
P-I-31		V.G. Tyuterev	An Alternative Approach to the Calculation of the Electron-Phonon Interaction in the Semiconductor Nanostructures
P-I-32		C.C. Wu	Nonlinear Effects of Energy Band Structures on Optical Transitions in Quantum Dots
P-I-33		C. C. Wu	Effect of Electron-Phonon Scattering Mechanisms on Free-Carrier Absorption in Quasi-One-Dimensional Structures
P-I-34		H. Yamada	Energy Relaxation Dynamics in Harper Model Coupled with a Small Number of Phonon Modes
P-I-35	New Techniques	M. Heitz	Study of Elastic Properties of Solids Using a Novel SQUID Detection Technique
P-I-36	Coherent Phonons	K. Ishioka	Coherent Acoustic Phonon-Defect Scattering in Graphite
P-I-37		S.S. Makler	The Coherence of the AlGaAs-GaAs Phonon Laser
P-I-38		T. Saito	Ultrafast Acoustic Phonon Pulse Generation in Transition Metals
P-I-39		H. Takeuchi	Coherent Folded Acoustic Phonons in GaAs/AlAs Superlattices with Limited Periodicity
P-I-40		L.G. Tilstra	Phonon Avalanches in an Acoustic Cavity
P-I-41		F. Tsuruoka	Life Time of Phonon Hole

P-I-42	Defects	O. Chukova	Electron-Phonon Interaction in Emission Centers Formed by Impurity Pr^{3+} and Dy^{3+} Ions in Cadmium Tungstate Crystals
P-I-43		L.I. Deych	Tunable Local Polariton Modes in Semiconductors
P-I-44		C. Enss	Influence of Random Internal Fields on the Tunneling of Point Defects in Alkali Halide Crystals
P-I-45		C. Enss	Phonon Spectroscopy of Tunneling States in NaCl:OD^-
P-I-46		A. N. Kislov	Experimental Measuring and Numerical Calculations of Vibrations Associated with Ni Charged Impurities in ZnSe:Ni
P-I-47		M. Ohta	Localized Relaxation in Stabilized Zirconia
P-I-48	Phonon Imaging	N. Kgasi	Electron and Phonon Focusing in Tungsten Single Crystals
P-I-49		T. Paszkiewicz	Application of Ultrasonic Measurements to Determination of the Orientation to Crystalline Samples
P-I-50		Y. Sugawara	Real Time Imaging and Analysis of Surface Acoustic Waves in TeO_2
P-I-51		Y. Tanaka	Images of Phonons Transmitted Across Twist-Bonded (111)- Oriented Cubic Crystals: Symmetry Doubling in the Ballistic Intensity
P-I-52	LDS	S.M. Badalyan	Joule Heat in a Two-Dimensional Electron Gas Exposed to a Normal Non-Homogeneous Magnetic Field of a "Chess" Configuration
P-I-53		S. Dickmann	Non-Radiative Magnetoexciton Relaxation Arising in Superlattice Due to LO-Phonon Emission
P-I-54		R.B. Dunford	The Acoustoelectric Response of Double Layer 2D Hole Systems
P-I-55		M. V. Kisin	Interband Phonon Assisted Tunneling in InAs-GaSb Heterostructures
P-I-56		H. C. Lee	Dependence of Averaged Electron Energy Loss Rate on Well Width and Al Composition in $\text{GaAs/Al}_x\text{Ga}_{1-x}\text{As}$ Quantum Wells
P-I-57		D. Lehmann	About the Shortcomings of Using Fang-Howard Electron Wavefunctions for Phonon Emission Rate Calculations in Single Heterostructures
P-I-58		S. Mizuno	Resonant Interaction of Bulk Phonons with Phonons Localized at a Superlattice-Liquid Interface
P-I-59		S. Tamura	Anomalously Enhanced Group Velocities of Phonons in Finite Superlattices
P-I-60		Y. Tanaka	Band Structures and Transmission Properties of Acoustic Waves in Phononic Lattices
P-I-61	Complex States of Matter	M. Gulacsi	Spin and Lattice Effects in the Kondo Lattice Model
P-I-62		D. Louca	Pressure-Induced Atomic disorder in the Heavy Fermion $\text{CeCu}_{2+x}\text{Si}_2$ Using Neutron Diffraction