

| Phonon Lifetime Workshop Program | | | |
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| Thursday 19/12 | | Friday 20/12 | |
| 09:00 | Welcome speech | | |
| | Neutrons Session <i>Chair: S. Pailhès</i> | | Theory session <i>Chair: C. Adessi</i> |
| 09:10 | O. Delaire <i>Neutron and x-ray scattering studies of phonon thermodynamics and thermal transport</i> | 08:50 | N. Vast <i>Phonon lifetimes and the attenuation of sound in crystalline solid with density-functional perturbation theory</i> |
| 09:50 | J. Ollivier <i>Phonons measured using the time-of-flight technique</i> | 09:30 | T. Tadano <i>Phonon lifetime and thermal transport in complex thermoelectric clathrates and tetrahedrites from first principles</i> |
| 10:30 | coffee | 10:10 | coffee |
| 11:00 | F. Bourdarot <i>Neutron Resonance Spin Echo technique on ZETA-IN22</i> | 10:30 | T. Nakayama (Introduction: S. Pailhès) <i>Glass-like phonon thermal transports in complex disordered systems via clathrates of type-I –Overview-</i> |
| 11:40 | T. Keller <i>Neutron spin-echo phonon spectroscopy II</i> | 11:30 | A. Tanguy <i>Phonon Mean Free Path inferred from Molecular Dynamics and Finite Element Simulations in Glasses, and in Glasses with nano-inclusions.</i> |
| 12:20 | S. Turner <i>Phonon Anharmonicity and Low Thermal Conductivity of the Type-I Clathrate, Ba7.81Ge40.67Au5.33</i> | 12:10 | W. Schirmacher <i>Harmonic and anharmonic heterogeneous elasticity theory</i> |
| 12:40 | lunch | 12:50 | lunch |
| | X Ray session <i>Chair: V. Giordano</i> | 14:30 | J. Sjakste <i>Anharmonic coupling and thermal transport regimes in bismuth.</i> |
| 14:10 | A. Baron <i>A Fluid Approach to High-Resolution Inelastic X-Ray Scattering</i> | | Contributing Talks <i>Chair: P. Melinon</i> |
| 14:50 | A. Bosak <i>Tandem use of inelastic and diffuse scattering in lattice dynamics studies</i> | 14:50 | M. De Boissieu <i>Phonons and phonons lifetime in quasicrystals and their periodic approximants</i> |
| 15:30 | A. Chumakov <i>Phonon lifetime in measurements of the density of phonon states</i> | 15:10 | A. Huynh <i>Acoustic attenuation in silica via ultrafast optical techniques</i> |
| | Pump & Probe <i>Chair: A. Baron</i> | 15:30 | P. Giura <i>Multi phonon anharmonicity of MgO</i> |
| 16:10 | L. Foglia <i>Accessing phonons in the mesoscopic regime: the EUV transient grating setup</i> | 15:50 | Closing remarks |
| 16:50 | B. Perrin <i>Phonons mean free paths measurements with picosecond acoustic techniques</i> | 17:00 | |
| 17:30 | Poster Session | | |
| 19:00 | | | |

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| Legend | Invited talk |
| | Contributing talk |