Phonons @ ILM - Axe Matériaux

26 Mars 2024 BU Sciences de la Doua

9h00 – 9h15	**Opening**
9h15 – 10h15	Daniel Lanzilotti Kimura (Université Paris Saclay) – Invited talk *Opto-phononics: controlling light and sound at the nanoscale*
10h15 – 10h35	Jérémie Marguéritat (Eq. Luminescence) *Brillouin scattering to characterize nano-objects*
10h35 – 10h55	Aurélien Crut (Eq. FemtoNanoOptics) *Vibrational and thermal dynamics of metallic nanoparticles by pump-probe ultrafast spectrocopy*
10h55 – 11h25	**Coffee break**
11h25 – 11h45	Alice Berthelot (Eq. Soprano) *Micro-Raman and Micro-Brillouin spectroscopy of glassy materials under indentation*
11h45 – 12h05	Thomas Niehaus (Eq. MMCI) *From thermal transport of single molecule junctions to infrared spectroscopy of phenylalanine*
12h05 – 12h25	Stéphane Pailhès (Eq. Energie) *Phonons in thermoelectricity*
12h25 – 13h55	**Lunch**
14h00 – 14h20	Maroun Abi Ghanem (Eq. Biophysique) *Phononics of micro/nanostructured biological composites*
14h20 – 14h40	Benjamin Besga (Eq. Luminescence) *Nanomechanics in an optical trap*
14h40 – 15h00	Valentina Giordano (Eq. Energie) *Wave propagation in nanophononic membranes*
15h00 – 15h30	**Coffee break**
15h30 – 15h50	Francesco Banfi (Eq. FemtoNanoOpitcs) *Non-Fourier Heat transfer: superlattices for phononic temperature waves*

15h50 – 16h10	Thomas Dehoux (Eq. Biophysique) *Brillouin microscopy to probe cells and tissues*
16h10 – 16h30	Christophe Adessi (Eq. Energie) *Heat transport across metal/semiconductor interfaces*
16h30 – 17h30	**Round table** *Identify potentials and needs among teams and construct new synergies*
18h00	**Beer at Ninkasi**