

## Monday, November 15, 2021

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TIME	EVENT
09:30 - 10:30	Session 15-01 (Amphitéâtre Peugeot (SC.046)) - Daniel Lanzillotti-Kimura
09:30 - 10:30	› Circuit quantum acousto-dynamics with bulk acoustic wave resonators - <i>Yiwen Chu, Department of Physics, ETH Zurich</i>
10:30 - 11:00	Coffee break (Espace Capable (h.075))
11:30 - 12:30	Session 15-02 (Amphitéâtre Peugeot (SC.046)) - Benjamin Pigeau
11:00 - 11:15	› Silicon nitride drum electromechanical resonator at room temperature and in the mK temperature range - <i>Xin Zhou, Institut d'Électronique, de Microélectronique et de Nanotechnologie (IEMN) - UMR 8520</i>
11:15 - 11:30	› Interrelation of elasticity and thermal bath in nanotube cantilevers - <i>Gernot Gruber, ICFO</i>
11:30 - 12:30	› From Nanomechanics to Spins - <i>Christian Degen, Department of Physics, ETH Zurich</i>
12:30 - 14:00	Lunch (Espace Capable (h.075))
14:00 - 15:45	Session 15-03 (Amphitéâtre Peugeot (SC.046)) - Pierre-François Cohadon
14:00 - 15:00	› Hybrid optomechanical processes in bulk rare-earth ion-doped crystals - <i>Anne Louchet-Chauvet, Institut Langevin Ondes et Images</i>
15:00 - 15:15	› Polarized Brillouin spectroscopy in optophononic micropillar cavity operating at 18 GHz - <i>Anne Rodriguez, Centre de Nanosciences et de Nanotechnologies</i>
15:15 - 15:30	› Ultrafast miniaturized THz detector based on bi-material optomechanical resonator - <i>Jiawen Liu, Laboratoire de physique de LPENS - ENS Paris</i>
15:30 - 15:45	› Quantum chaos and non Euclidean photonics - <i>Mélanie Lebental, LuMIn, ENS Paris-Saclay</i>
15:45 - 15:55	Presentation of Zurich Instruments (Amphitéâtre Peugeot (SC.046)) - Zurich Instruments
15:55 - 16:05	Presentation of Rohde & Schwarz (Amphitéâtre Peugeot (SC.046)) - Rohde & Schwarz
16:05 - 16:30	Coffee break (Espace Capable (h.075))
16:30 - 17:30	Poster (Espace Capable (h.075))
17:30 - 17:45	Break (Espace Capable (h.075))
17:45 - 18:15	Prix Dylan Cattiaux (Amphitéâtre Peugeot (SC.046)) - Antoine Heidmann
18:00 - 18:15	› A macroscopic object passively cooled to its quantum ground state of motion - <i>Eddy Collin, Institut Néel</i>
20:00 - 23:00	Dinner (Le Bouillon Racine)

## Tuesday, November 16, 2021

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TIME	EVENT
08:45 - 09:30	Coffee break (Espace Capable (h.075))
09:30 - 10:30	Session 16-01 (Amphitéâtre Peugeot (SC.046)) - Jean-Charles Beugnot
09:30 - 10:30	› Towards phonon engineering at the nanoscale: material design and innovative experimental techniques - <i>Ilaria Zardo, Department of Physics, University of Basel</i>
10:30 - 11:00	Coffee break (Espace Capable (h.075))
11:00 - 12:15	Session 16-02 (Amphitéâtre Peugeot (SC.046)) - Gabriel Hétet
11:00 - 12:00	› Nonequilibrium statistical physics in optomechanical levitation platforms - <i>Yann Luyer, Laboratoire Ondes et Matière d'Aquitaine</i>

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12:00 - 12:15	› Shortcut to equilibrium with a levitated particle - <i>Damien Raynal, Laboratoire Lumière, Matière et Interfaces</i>
12:20 - 12:30	Presentation of Attocube Systems (Amphitéâtre Peugeot (SC.046)) - Attocube Systems
12:30 - 14:00	Lunch (Espace Capable (h.075))
14:00 - 15:00	Session 16-03 (Amphitéâtre Peugeot (SC.046)) - Fabio Pistolesi
14:00 - 15:00	› Quantum mechanics-free subsystem with mechanical oscillators - <i>Laure Mercier de L'Epinay, Aalto University School of Science and Technology [Aalto, Finland]</i>
15:00 - 16:30	Poster
16:30 - 17:00	Session 16-04 (Amphitéâtre Peugeot (SC.046)) - Thomas Antoni
16:30 - 16:45	› Multimode weighting of individual nanoparticles with a semiconductor optomechanical resonator - <i>Samantha Sbarra, Matériaux et Phénomènes Quantiques, Université de Paris</i>
16:45 - 17:00	› Cavity nano-optomechanics with suspended nanowires - <i>Antoine Reigue, Institut Néel</i>
17:00 - 17:20	Best Poster Award (Amphitéâtre Peugeot (SC.046))
17:20 - 18:30	Departure - Attendees will be slowly invited to depart, with the possibility to remain in common space to take over discussions.



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