

Lanef's Day

Thursday, the 20th of February 2020

Amphitheatre of the A Building, CNRS, 25 Rue des Martyrs, 38042 Grenoble

Programme	
8:45 - 9:15	Welcome & coffee
9:15 - 9:25	Introduction to the LANEF's day
9:25 - 9:35	Introduction by IDEX
9:35 - 10:10	Review of the LANEF 1 by Joël Cibert
10:10 - 11:10	4 LANEF 1's flagship actions (4 x 15 min) <ul style="list-style-type: none">• Technological valorisation and transfer: "Magnetic Microsystems towards Med-Tech" by Orphée Cugat• Structuring of research: "Quantum Engineering in Grenoble" by Alexia Auffèves.• International Actions: Barcelona by Anna Minguzzi and Nicolas Retière.• Practicals in Labs from UFR PHITEM by Patricia Segonds.
11:10 - 11:30	Coffee break
11:30 - 12:05	Presentation of LANEF 2 Project by Olivier Buisson
12:05 - 13:00	The five challenges of Lanef 2 (5x10 min) <ul style="list-style-type: none">• Sensors for LifeScience and Healthcare by Yanxia Hou-Broutin• Quantum Materials by Marc-Henri Julien• New frontiers in Cryogenics by Alain Girard• Nanophysics and Quantum Engineering by Hermann Sellier• Electrical Energy by Patricia DeRango
13:00 - 14:15	Lunch
14:15 - 15:30	Six scientific seminars (6x25 min) <ul style="list-style-type: none">• "Recent advances in helium-free cryogenics for instrumentation" by Philippe Camus• "Uncovering hidden magnetism in a high temperature superconductor" by David Leboeuf• "Photonic nanowires embedding single quantum dots: a platform for quantum optics and hybrid nanomechanics" by Julien Claudon
15:30 - 16:00	Coffee break
16:00 - 17:15	<ul style="list-style-type: none">• "Magneto-active substrates and fluorescent biosensors: new tools to decipher cellular mechano-transduction" by Aurélie Dupont• "Theory and modelling for electrical energy" by Didier Mayou• "From 3D nanomagnetism to 3D spintronics with magnetic nanowires" by Olivier Fruchart
17:15 - 17:45	Discussion and Conclusions