

C'NANO 2020

The Nanoscience Meeting

TOULOUSE

Centre des congrès Pierre Baudis

December, 8, 9 and 10



Keywords of thematic sessions

(Last update: May 15th, 2020)

Nanophotonics & Nano-optics

Keywords: nano-optics ; plasmonics; nanomaterials for optics; quantum nano-optics ; opto-mechanics

Nanochemistry & Nanoparticles

Keywords: wet chemistry ; inorganic nanoparticles ; nucleation & growth mechanisms ; *in-situ/ in operando* studies ; theory

Nano for Imaging, diagnosis & therapy

Keywords: nanoprobes & nanocarriers (organic, inorganic, hybrids) for imaging & therapeutics ; nanoprecipitation & other processes for biotechnologies ; surface/particle functionalization ; sensors

Multifunctional nanocomposites

Keywords: nanocomposite ; coatings ; bulk materials ; characterization ; properties ; electro-mechanical coupling

Nanoscale heat transfer - Measurement

Keywords: micro & nanoscale heat transfer ; nanothermometry ; thermal metrology at nanoscales ; computational methods in nanoscale transport ; nanoscale interfacial transport phenomena ; temperature ; thermophysical properties

Nanomaterials for Energy

Keywords: nanomaterials : elaboration, physical & chemico-physical characterization ; energy : transport, production, storage, systems, simulation & modelling

Nano: health, environment & risks

Keywords: environment (ecotoxicity) ; hazards, safer by design ; exposure (occupational, general population, environmental) ; risks (assessment and management) ; regulation ; nanomaterials (including metals, oxides, organics)

1D Nanomaterials

Keywords: nanowires ; physics of 1D systems ; growth mechanisms ; optical, electronic & structural characterization ; nano-electronics ; mesoscopic physics ; nano-mechanics ; nano-engineering ; integration ; spintronic ; nano-photonics

2D Materials

Keywords: atomically thin materials ; Van der Waals Heterostructures ; elaboration, characterization & properties

Nano Gold by young researchers

Keywords: gold nanoparticles ; plasmonics, ; (photo)-(electro)catalysis ; (bio)sensors ; nanoelectronics ; gold therapy