

# C'Nano 2020

The Nanoscience Meeting

## TOULOUSE

Centre des congrès Pierre Baudis

December, 8, 9 and 10



## 1D Nanomaterials

(Last update: May 26<sup>th</sup>, 2020)

### Description

This session is open to basic, applied and technological research.

1D Nanomaterials research is in essence interdisciplinary and gather physicists, chemists, engineers, biologists...

The session will cover physical/chemical synthesis and basic material properties of 1D systems, metallic or semi-conducting, as well as their integration in devices with applications spanning from electronics, sensing, photonics, energy as well as health and environment.

### Keywords

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

### Scientific committee

**Anthony AYARI** (CNRS – ILM, Lyon)\*

**Bruno GRANDIDIER** (CNRS – IEMN, Lille)

**Jean-Christophe HARMAND** (CNRS – C2N, Palaiseau)

**Bruno MASENELLI** (INSA of Lyon – INL, Lyon)\*

**Sébastien PLISSARD** (CNRS – LAAS, Toulouse)

\* *session Coordinators*