

Theme

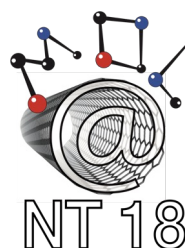
Adsorption and Confinement Effects of Molecules in/on Nanotubes

Nanotubes have emerged recently as an intriguing template for the formation of new hybrid nanostructures. Confinement effects, aggregation states and coupling of the molecules within the 1D structure of nanotube enable original physical properties of the hybrid object and has inspired various applications for bio-detection, nanotube doping, drug delivery, nano-optics, nano-chemistry etc.

The objectives of this mini-colloquium is to gather and foster discussions on the challenges related to the fabrication, the spectroscopy and the applicative fields of these 1D multifunctional nanohybrids. It will be organized through the Lavoisier discussions initiated and supported by the GDRi Graphene Nanotubes.

The 3 days' discussion will consist in a limited number of invited or contributed talks mixed with formal and informal discussion moments.

- Theme 1: Synthesis and structural characterization
- Theme 2: 1D adsorption and supramolecular organization
- Theme 3: Physical interactions - photophysics
- Theme 4: Applications



When

20-22 june 2018

Where

**Paris Sorbonne University
Amphi Chasles**

Organization committee

Etienne Gaufres – Laurent Alvarez – Annick Loiseau
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List of invited speakers (confirmed)

Pr. R Martel (U. of Montréal) – Dr. S Cambré (U. of Antwerp) – Pr. T. Pichler (U. of Vienna)

