

Seminario

Università degli Studi di Padova
Dipartimento di Scienze Chimiche

Ciclo di Seminari 'Frontiers in Chemistry'

Prof. Paolo Samorì

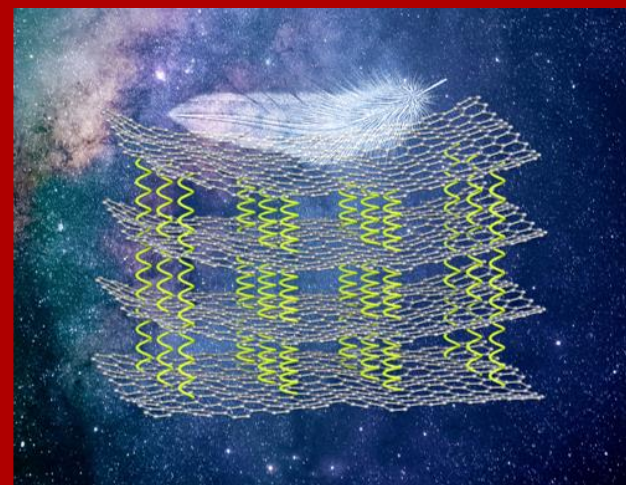
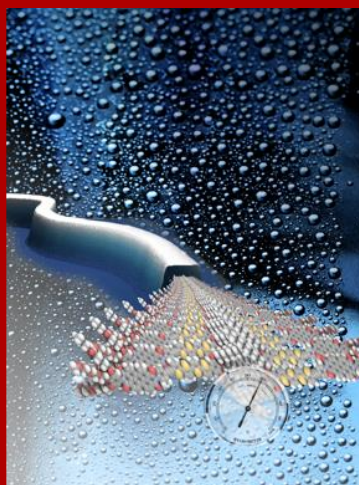
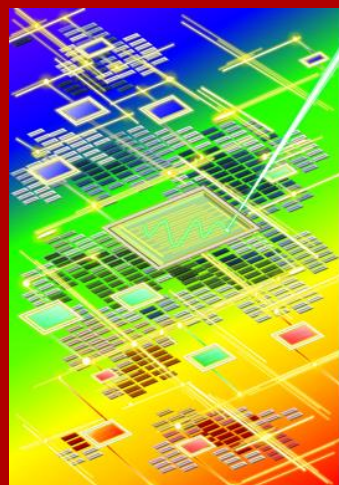
Institut de Science et d'Ingénierie Supramoléculaires (I.S.I.S.), Université de Strasbourg & CNRS, 8 allée Gaspard Monge, 67000 Strasbourg (France)

*Internet of functions in
hybrid supramolecular nanomaterials:
from high-performance sensors to
multiresponsive devices*

Martedì 29 Ottobre 2019, ore 14.30

Aula I, Dipartimento di Scienze Chimiche, Via Marzolo 1 - Padova


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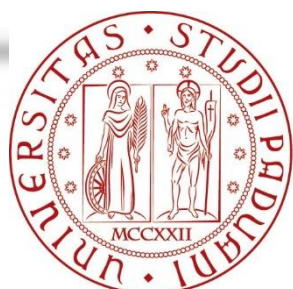
Abstract:

Nowadays, Internet of Things is becoming a leitmotiv in our daily life, the latter being characterized by interconnected macroscopic tools and technologies thereof operating 24/7. On the nanoscale, one among the greatest challenges in chemistry consists in the development of artificial Complex Chemical Systems with functions that are getting more and more sophisticated and interconnected among each other.

In my lecture, I will review our endeavor on the use of supramolecular chemistry approaches towards the development of multicomponent assemblies comprising low dimensional nanostructures such as 0D (nanoparticles), 1D (fibers) and 2D (graphene and other layered materials). These assemblies exhibit programmable interconnected functions which render particularly interesting for applications as responsive components in (opto)electronics, energy and sensing.

La presenza della S. V. sarà molto gradita.

Prof. Michele Maggini
Direttore del Dipartimento
di Scienze Chimiche



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