



## Filling an chiral sorting of Carbon Nanotubes to create new hybrid structures with enhanced functionalities

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**Date: Wednesday, March 8, 2023 14:00-15:30**

**Venue: Faculty of Engineering Bldg. 2, Room 31A**

#### Abstract:

The filling of SWCNTs with various molecules has become a novel path to add and create new functionalities, through the mutual interaction between the encapsulated molecules and the host SWCNTs. For example, when encapsulating squarilium dyes inside CNTs, the specific molecular arrangement of the dyes inside CNTs with different diameters results in strongly correlated J-aggregates that show efficient energy transfer to the surrounding CNTs. Combined with chiral sorting and advanced optical spectroscopy, the new functionalities of such hybrid structures can be revealed...



**Registration**  
<https://forms.gle/ZewaKaiUAYV8iG4T9>  
**Please register by March 3.**