

French-Korean workshop

## Functional Materials and Structures

A day of talks and discussions on the design of materials and structures offering new performances for energy and advanced optics.

The workshop is organized by the Molecular, Macromolecular Chemistry and Materials laboratory on the occasion of the invitation of Prof. Gi-Ra Yi by the Paris Science Chair.

**Monday December 16, 2019**

Institut Pierre-Gilles de Gennes – Amphitheater  
6, Rue Jean Calvin 75005 Paris

### Program

- 9h00-9h15 - Welcome and opening remarks
- 9h15-9h50 - Pil Jin YOO - Nano Materials and Nano Devices Lab, SKKU  
*Plesiohedral cellular network of graphene bubbles for ultralight, strong, and superelastic materials*
- 9h50-10h25 - Christian SERRE - Institut des Matériaux Poreux de Paris, ENS-ESPCI Paris  
*Functional porous solids for energy related applications*
- 10h25-10h55 - Coffee break
- 10h55-11h30 - Ho Seok PARK - Energy Storage and Environmental Materials, SKKU  
*Ultracapacitive Energy Storage Using 2D Nanomaterials Under Extreme Conditions*
- 11h30-12h05 - Christel LABERTY-ROBERT - Laboratoire de Chimie de la Matière Condensée de Paris, Sorbonne Université  
*Battery and perspectives*
- 12h05-14h00 - Lunch break
- 14h00-14h35 - Rémi CARMINATI – Institut Langevin, ESPCI Paris  
*Light scattering in materials with controlled disorder*
- 14h35-15h10 - Gi-Ra YI – Soft Matter Research Lab, SKKU  
*Structural colors of colloidal glasses and crystals*
- 15h10-15h45 - Nathan van ZEE - Molecular, Macromolecular Chemistry and Materials Lab, ESPCI Paris  
*Exploiting water in apolar media to control the structure of supramolecular polymers*
- 15h45-16h00 - Closing remarks
- 16h00-16h30 - Coffee break and open discussions

### Registration

Registration is free but mandatory by e-mail to [laurent.corte@espci.fr](mailto:laurent.corte@espci.fr)