

2nd Sino-French Bilateral Seminar on Macromolecules and Soft Matter

OCTOBER 4-6, 2010, PARIS, FRANCE

Amphithéâtre Langevin
École supérieure de physique et de chimie industrielles de la Ville de Paris
(ESPCI ParisTech)

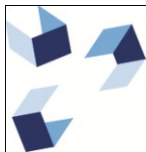


ParisTech
INSTITUT DES SCIENCES ET TECHNOLOGIES
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Schlumberger





SEMINAR PROGRAM

Monday October 4th

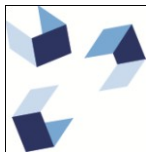
- 8:45-9:00 **Welcome by ESPCI ParisTech director**
- 9:00-9:25 **Ming JIANG**
Fudan University, Shanghai
Reversible Hydrogels of Polymers Based on Inclusion Complexation
- 9:25-9:50 **Jérôme BIBETTE**
ESPCI ParisTech, Paris
Processing Elastomeric Composite Materials From Homogeneous Phase Inversion
- 9:50-10:15 **Bai YANG**
Jilin University, Changchun
A New Role of Polymers: the Manipulator of Quantum Dots in Polymer Composites
- 10:15-10:45 *Coffee break*
- 10:45-11:10 **Michel CLOITRE**
ESPCI ParisTech, Paris
Shear-activated gelation in attractive block copolymer micelles
- 11:10-11:35 **Zhenzhong YANG**
Chinese Academy of Science, Beijing
Janus Colloids
- 11:35-12:00 **Jean-François BERRET**
Université Denis Diderot-Paris 7, Paris
Inorganic nanoparticles for biomedical applications
- 12:00-12:25 **Yongfeng ZHOU**
Shanghai Jiao Tong University, Shanghai
Self-Assembly of Hyperbranched Polymers and Its Biomedical Applications
- 12:25-14:00 *Lunch break*
- Jean-François JOANNY**
Institut Curie, Paris
14:00-14:25 *Role of ATP-Hydrolysis in the Dynamics of a Single Actin Filament*
- 14:25-14:50 **Dongsheng LIU**
Tsinghua University, Beijing
Nanodevices and smart materials based on DNA i-motif structures
- 14:50-15:15 **Christophe TRIBET**
Ecole Normale Supérieure, Paris
Light-responsive permeabilisation of lipid bilayers and cell membranes by Amphiphilic Copolymers.
- 15:15-15:40 **Jiandong DING**
Fudan University, Shanghai
Studies of Cell-biomaterial Interactions based upon Surface Patterning Techniques
- 15:40-16:10 *Coffee break*



- 16:10-16:35 **Thierry GACOIN**
Ecole Polytechnique, Palaiseau
Soft chemistry routes to nanostructured functional coatings
- 16:35-17:00 **Pingchuan SUN**
Nankai University, Tianjin
Conformational Transition of Protein in Silk Fibroin Induced by PEG and Nano-Clay as Revealed by Solid-State NMR
- 17:00-17:25 **Laurence ROZES**
Université Pierre et Marie Curie-Paris 6, Paris
Construction of well-defined hybrid materials by the Nano-Building Block approach
- 17:25-17:50 **Ben Zhong TANG**
Hong Kong University of Science and Technology, Hong Kong
Aggregation-Induced Emission of Conjugated Polymers

Tuesday October 5th

- 9:00-9:25 **Yves GNANOU**
Ecole Polytechnique, Palaiseau
Organocatalysis of Polymerizations with N-Heterocyclic Carbenes
- 9:25-9:50 **Feihe HUANG**
Zhejiang University, Hanzhou
Threaded Structures Based on Crown Ether Derivatives
- 9:50-10:15 **Christophe THOMAS**
Chimie-ParisTech, Paris
Polymerization of β -Lactones Using Molecular and Supported Rare-Earth Catalysts
- 10:15-10:45 *Coffee break*
- 10:45-11:10 **Peiyi WU**
Fudan University, Shanghai
Supramolecular Self-Assembly Thermodynamic Mechanism of a Special Mesogen-Jacketed Liquid Crystalline Polymer without Mesogens
- 11:10-11:35 **François TOURNILHAC**
ESPCI ParisTech, Paris
Supramolecular chemistry and materials
- 11:35-12:00 **Er-Qiang CHEN**
Peking University, Beijing
Cylindrical Polymers and Combined Main-Chain/Side-Chain Liquid Crystalline Polymers Based on Side-Chain "Jacketing" Effect
- 12:00-12:25 **Laurent CORTÉ**
Ecole des Mines-ParisTech, Evry
Activation and deactivation of self-healing in supramolecular rubbers
- 12:25-14:00 *Lunch break*
- 14:00-14:25 **Laurent BOUTEILLER**
Université Pierre et Marie Curie-Paris 6, Paris
Hydrogen bonded supramolecular assemblies: controlling the structure and dynamics for new applications



- 14:25-14:50 **Jian XU**
Donghua University, Shanghai
Facile Creation of Biomimetic Systems at Interface and in Bulk
- 14:50-15:15 **Elie RAPHAEL**
ESPCI ParisTech, Paris
Simple View on Fingering Instability of Debonding Soft Elastic Adhesives
- 15:15-15:40 **Yanchun HAN**
Chinese Academy of Sciences, Changchun
Tunable Spectral Range and Broadband Antireflection Polymer Film by Regulating its inner Nanoporous Structure

Wednesday October 6th

- 9:00-9:25 **Yvette TRAN**
ESPCI ParisTech, Paris
Polymer brushes: responsive and adaptative properties
- 9:25-9:50 **Qi XUE**
Nanjing University, Nanjing
Glass Transition of unjammed polymers and in ultra thin film
- 9:50-10:15 **Francois LEQUEUX**
ESPCI ParisTech, Paris
How does water wet hydrophilic polymers?
- 10:15-10:45 *Coffee break*
- 10:45-11:10 **Guangxian LI**
Sichuan University, Chengdu
Phase behavior and structure of polymer blends under shear flow tailored by nanoparticles
- 11:10-11:35 **Min-Hui LI**
Institut Curie, Paris
Photo-responsive polymer vesicles: bursting and wrinkling
- 11:35-12:30 **Moderators**
Jiandong DING and Costantino CRETON
Presentation of collaborative tools, Discussion and Concluding remarks
- End of seminar*

