

Session 2 :

14 :00 **Fabrice CHARRA (CEA Saclay)**

Self-assembly : mastering photonic processes at nanoscale

Thomas EBBESEN (Isis and Louis Pasteur University, Strasbourg)

Light, Metal and Molecules

Sophie BRASSELET (groupe MOSAIC, Institut Fresnel, Marseille)

Revealing nano-scale molecular processes in biology using polarized Optical microscopy

16 :00 *Coffee break + Poster session*

17 :00 **Yasuhiro KOIKE (Keio Photonics Research Institute)**

High-Bandwidth and High-Resolution Photonics Polymers towards Face-to-face communication

Yasuo KITAOKA (Director of Nanotechnology Development at MEXT and Osaka University)

Japan's R&D Strategy of Nanotechnology

Day 2: 13h December 2011

Session 3 :

08 :30 **Ludovic JULLIEN (Laboratoire Pasteur, ENS Paris)**

Light driven behavior at nano- and microscales

Jean-Pierre MAJORAL (CNRS Toulouse)

Functional dendrimers: from chemistry and biology to medicine

Noritaka MIZUNO (University of Tokyo)

Design of Highly Functionalized Polyoxometalate-based Nano-structured Catalysts by Hierarchical Three-dimensional Control of their Structures

10 :30 *Coffee break*

11 :00 **Kazunori KATAOKA (University of Tokyo)**

Supramolecular Nanodevices from Functionalized Block Copolymers for Molecular Therapy

Thierry LIVACHE (Institut Nanosciences et Cryogénie, Université Joseph Fourier)

Seeing biological events with plasmon resonance: from molecular binding to complex cellular interaction

12 :20 *Lunch*

Session 4 :

14 :00 **Hiroyuki SASABE (Chitose Institute of Science and Technology)**

New Era of Hyper-Structured Molecules

G rard DUJARDIN (Universit  Paris XI)

Quantum phenomena at the atomic-scale; from fundamental issues to a real atomic-scale technology

Junji WATANABE (Tokyo Institute of Technology)

Thermotropic liquid crystalline behavior with nano-scaled layer thicknesses

16 :00 *Coffee break*

16 :30 **Pascale SENELLART (Laboratoire de Physique des Nanostructures, Marcoussis)**

Semiconductor deterministic bright sources of quantum light

Chihaya ADACHI (Kyushu University)

Challenges for novel organic light emitting devices

17:50: Closing remarks – Organizers

End of scientific sessions