

**Oral Programme NM1**

**Functional hybrid nanofilms**

**Convener:** Robert Schoonheydt

**Tuesday 16 June, 2009**

**Chair:** Robert A. Schoonheydt

- 08.50 – 09.20      NM1.Tue.KL1  
*Jun Kawamata\**  
LINEAR AND NONLINEAR OPTICAL PROPERTIES OF COMPOSITES CONSISTING OF CLAYS AND DYES
- 09.20 – 09.40      NM1.Tue.L2  
*Alanah Fitch\**  
PHOTOELECTROCHEMICAL INDUCED UNDULATIONS OF CLAY FILM
- 09.40 – 10.00      NM1.Tue.L3  
*Regis Gengler\*, Luminita Toma, Dimitrios Gournis, Petra Rudolf*  
CLAYS AS TEMPLATES FOR THE SYNTHESIS OF HIGHLY ORDERED TWO-DIMENSIONAL ORGANIC-INORGANIC HYBRIDS USING THE LANGMUIR BLODGETT APPROACH
- 10.00 – 10.20      NM1.Tue.L4  
*Nobuyuki Takahashi, Kazuyuki Kuroda\**  
PREPARATION OF AN ANION EXCHANGE MATERIAL BY IMMOBILIZATION OF IONIC LIQUID ONTO LAYERED OCTOSILICATE
- 10.20 – 10.40      NM1.Tue.L5  
*Yasushi Umemura\*, Kiyotaka Ide, Makoto Yamazaki, Tadahito Shimada, Emi Shinohara, Akihiko Yamagishi*  
CONTROLLING THE SURFACE PROPERTIES OF ULTRATHIN ORGANO-CLAY HYBRID FILMS FROM CATION-EXCHANGEABLE SURFACES TO ANION-EXCHANGEABLE SURFACES

**Poster Programme NM1**

**Posting Time:** Monday 15 June, 20.30-22.30; **Removal:** Wednesday 17 June, 12.50-14.30;

**Attendance Time:** Tuesday, 16 June, 18:30–20:00

**Chair:** Robert A. Schoonheydt

- NM1.Tue.P1 *Ryoya Matsunaga, Hiroshi Yamaki, Yasutaka Suzuki, Jun Kawamata\*, Toshihiro Kogure, Akihiko Sato, Akihiko Yamagishi*  
OPTICAL SECOND-HARMONIC GENERATION FROM COMPOSITES CONSISTING OF CHIRAL ORGANIC MOLECULES AND A SMECTITE
- NM1.Tue.P2 *Yasutaka Suzuki\*, Chikako Ichimaru, Shoichiro Hirakawa, Jun Kawamata*  
HYBRID FILMS CONSISTING OF A CLAY AND ORGANIC DYES FOR TWO-PHOTON ABSORPTION MATERIALS
- NM1.Tue.P3 *Sandra Salleres\*, Fernando López Arbeloa, Irigo López Arbeloa*  
REDUCING THE DYE AGGREGATION ON CLAY SYSTEMS: COADSORPTION OF RHODAMINE 6G AND C12TMA SURFACTANT IN LAPONITE FILMS
- NM1.Tue.P4 *S. Miao, S. De feyter, R.A. Schoonheydt\**  
LANGMUIR-BLODGETT FILMS OF CLAY-PROTEIN COMPOSITES
- NM1.Tue.P5 *A. Hussain, A. Volodin, M.P. Chowdury, C. Van Haesendonck, R. A. Schoonheydt\**  
MECHANICS OF CLAY MINERAL SHEETS: HECTORITE AND SAPONITE