

**Oral Programme NM2**

**Industrial Applications of Nanoclays**

**Convener:** Haydn H. Murray -

**Thursday 18 June, 2009**

**Chair:** Cliff T. Johnston

- 14.30 – 15.00 NM2a.Thu.KL1  
*Thomas J. Pinnavaia\**  
NANOCLAYS AND MESOPOROUS NANOSILICATES: APPLICATIONS IN ENGINEERING POLYMER TECHNOLOGY
- 15.00 – 15.20 NM2a.Thu.L2  
*Murray Lines\**  
INDUSTRIAL APPLICATIONS OF NANOCLAYS
- 15.20 – 15.40 NM2a.Thu.L3  
*Faiza Annabi-Bergaya\**  
INDUSTRIAL EUROPEAN APPLICATIONS OF CLAY-POLYMER NANOCOMPOSITES RESEARCH AND DEVELOPMENT OF NANOCLAYS
- 15.40 – 16.00 NM2a.Thu.L4  
*Yoshiaki Fukushima\**  
DEVELOPMENTS FOLLOWED BY NCH
- 16.00 – 16.20 NM2a.Thu.L5  
*Benny K.G. Theng\*, Guodong Yuan, Yukinori Tani*  
CLAY-POLYMER INTERACTIONS AND NANOCOMPOSITES

**COFFEE BREAK 16.20-16.40**

**Thursday 18 June, 2009**

**Chair:** Thomas J. Pinnavaia

- 16.40 – 17.10 NM2b.Thu.L1  
*Tsung-Yen Tsai\*, Chien Hung, Kuo Wen, Chi Chen*  
THE STUDY OF THE ADDITIVE FOR REDUCING THE PRINT-THROUGH PHENOMENON AND INCREASING THE CURING DEGREE OF UP COMPOSITES
- 17.10 – 17.30 NM2b.Thu.L2  
*Marika Santagata\*, Gnasiri Premachandra, Cliff T. Johnston*  
NANO CONFINED WATER IN CLAY MINERALS
- 17.30 – 17.50 NM2b.Thu.L3  
*Qinfu Liu\*, Yude Zhang, Shuli Ding*  
GAS BARRIER PROPERTIES OF RUBBER/KAOLIN NANOCOMPOSITES
- 17.50 – 18.10 NM2b.Thu.L4  
*Stanisa Stojiljkovic\*, Goran Nikolic, Ljubisa Nikolic, Nebojsa Mitic*  
DESORPTION FROM HETEROGENEOUS AND POROUS BODY BASED ON CLAY

**Poster Programme NM2**

**Posting:** Wednesday 17 June, 20.30-22.30. **Removal:** Friday 19 June.

**Attendance Time:** Thursday 18 June, 18:30–20:00

**Chair:** Cliff T. Johnston

- NM2.Thu.P1 *Daryoush Afzali\**, *Ali Mostafavi*  
APPLICATION OF MODIFIED ORGANO NANOCCLAY AS A NEW SORBENT FOR SEPARATION AND PRECONCENTRATION TRACE AMOUNT OF METAL IONS
- NM2.Thu.P2 *Ching-Shun Chen*, *Tsing-Hai Wang*, *Jiann-Ruey Chen*, *Shi-Ping Teng\**  
PREPARATION OF Cu<sub>2</sub>O/MONTMORILLONITE COMPOSITE MATERIAL: A FEASIBILITY STUDY
- NM2.Thu.P3 *Quan Chen\**, *Wai Tat Kerk*, *Andrew M. Soutar*, *Xian Ting Zeng*  
DYED CLAY AND ITS ADVANCED APPLICATIONS
- NM2.Thu.P4 *Dongshen Tong*, *Jie Li*, *H. S. Xia*, *G. F. Jiang*, *Y. X. Fan*, *M.Y. Li*, *Q. Fan*, *Chunhui Zhou\**  
SYNTHESIS AND CATALYTIC EPOXIDATION OF ALLYL CHLORIDE OF TS-1@ HECTORITE COMPOSITES
- NM2.Thu.P5 *Tsung-Yen Tsai\**, *Chun-Yi Lee*, *Chen-Ju Lee*, *Wei-Chiang Chang*, *Wei Lee*, *Po-Cheng Chen*  
MORPHOLOGY AND ELECTRO-OPTICAL PROPERTIES OF LIQUID CRYSTAL- INORGANIC MATERIAL-POLYMER COMPOSITES
- NM2.Thu.P6 *T.M. Tsao\**, *M.K. Wang*, *P.M. Huang*  
A NEW DEVICE FOR EFFICIENT COLLECTION OF ENVIRONMENTAL NANOPARTICLES
- NM2.Thu.P7 *Albert Voloshchuk\**, *Olga Krasilnikova*, *Natalia Serebryakova*, *Ali Aliev*, *Elena Khozina*, *Rajender Varma*, *Sikdar Subhas*  
APPLICATION OF CLAY MINERALS WITH IMMOBILIZED METAL SPECIES FOR DESULFURIZATION OF LIQUID FUELS
- NM2.Thu.P8 *Fumihiko Ohashi\**, *Toshitsugu Taguri*, *Hisao Abe*  
ANTIBACTERIAL ACTIVITY AND ITS SUSTAINABILITY OF ANTIBIOTIC INTERCALATED MONTMORILLONITE AS A DRUG DELIVERY MATERIAL