

**Oral Programme MC2**

**Clay synthesis**

**Convener:** Peter Ryan, J Chun-Hui Zhou

**Monday 15 June, 2009**

**Chairs:** Peter Ryan & J. Chun-Hui Zhou

- 11.00 – 11.30 MC2.Mon.KL1  
*Bradley Scott, David Glassford, Gilles Villemure\**  
PREPARATION OF 2:1 COBALT CLAYS COMPOSED ON REGULAR HEXAGONAL PARTICLES AND OF 1:1 NICKEL CLAYS COMPOSED ON NANOTUBULAR PARTICLES
- 11.30 – 11.50 MC2.Mon.L2  
*Luca Zampori\*, Paola Gallo Stampino, Cinzia Cristiani, Giovanni Dotelli*  
SYNTHESIS OF ORGANOCCLAYS USING NON-IONIC SURFACTANTS: EFFECT OF TIME, TEMPERATURE AND CONCENTRATION
- 11.50 – 12.10 MC2.Mon.L3  
*Lydie Le Forestier\*, Fabrice Muller, Frederic Villieras*  
TEXTURAL AND HYDRATION PROPERTIES OF A SYNTHETIC MONTMORILLONITE COMPARED WITH THE NATURAL NA-SWY2 CLAY ANALOGUE
- 12.10 – 12.30 MC2.Mon.L4  
*Hirohisa Yamada\*, Kenji Tamura, Shingo Yokoyama*  
SYNTHESES OF TRIOCTAHEDRAL PHYLLOSILICATES IN SODIUM SAPONITE –PHLOGOPITE SYSTEM
- 12.30 – 12.50 MC2.Mon.L5  
*N. Q. Fan, H. S. Xia, G. F. Jiang, D. S. Tong, C. X. Lin, C. H. Zhou\**  
INVESTIGATION ON CONTROLLABILITY OF METAL COORDINATION AND CRYSTALLINITY IN SYNTHETIC CATIONIC HECTORITE-LIKE SOLIDS

## Poster Programme MC2

**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

**Chairs:** Peter Ryan & J. Chun-Hui Zhou

- MC2.Tue.P1 *Askhab Askhabov\**, *Dmitry Kamashev*  
NATURE OF PRIMARY PARTICLES AND MECHANISM OF SELF-ASSEMBLY OF THE STRUCTURAL UNITS OF OPAL-LIKE NANOMATERIALS
- MC2.Tue.P2 *Bui Hoang Bac*, *Yungoo Song\**, *Myung Hun Kim*, *Gyoo Ho Lee*  
SYNTHESIS OF FE-SUBSTITUTED ALUMINOSILICATE AND ALUMINOGERMANATE NANOTUBES
- MC2.Tue.P3 *María Bentabol\**, *María Dolores Ruiz Cruz*  
SOLID SOLUTIONS IN MICAS HYDROTHERMALLY SYNTHESIZED (400°C, 260 BAR)
- MC2.Tue.P4 *María Bentabol\**, *María Dolores Ruiz Cruz*  
THE SYNTHETIC (200 °C) KAOLINITE + SERPENTINE ASSEMBLAGE
- MC2.Tue.P5 *Fabio Carniato\**, *Chiara Bisio*, *Giorgio Gatti*, *Enrico Boccaleri*, *Sandro Recchia*, *Leonardo Marchese*  
HYDROTHERMAL SYNTHESIS OF V-CONTAINING SAPONITE CLAY. A NOVEL HETEROGENEOUS CATALYST FOR PROPENE OXIDATION
- MC2.Tue.P6 *Sukhen Das\**, *Biswajoy Bagchi*, *Alakananda Bhattacharya*, *Ruma Basu*, *Papiya Nandy*  
NANOCRYSTALLINE LOW TEMPERATURE MULLITE SYNTHESIS BY SOL-GEL TECHNIQUE
- MC2.Tue.P7 *Masashi Ookawa\**, *Yoshihiro Hirao*, *Hiroshi Yamashita*, *Takashi Maekawa*, *Keiichi Inukai*  
SYNTHESIS OF ALUMINIUM GERMANATE ANALOG OF IMOGOLITE CLAY MINERAL
- MC2.Tue.P8 *Pablo Pardo\**, *Joaquín Bastida*, *Marek A. Kojdecki*, *Marek Zbik*, *Rafael Ibáñez*  
ON THE BIMODAL CRYSTALLITE SIZE DISTRIBUTIONS OF TWO REFERENCE KAOLINS
- MC2.Tue.P9 *Peter C. Ryan\**, *F. Javier Huertas*  
INSIGHTS INTO THE TRANSFORMATION OF FERRUGINOUS BEIDELLITE TO K-S AND KAOLIN FROM SYNTHESIS EXPERIMENTS
- MC2.Tue.P10 *Abidin Zaenal\**, *Matsue Naoto*, *Henmi Teruo*  
A NEW SYNTHESIS ROUTE TO IMOGOLITE
- MC2.Tue.P11 *Di Zhang*, *Dongsheng Tong*, *Housheng Xia*, *Genfeng Jiang*, *Xi Xia*, *Ming Liu*, *Weihua Yu*, *Chunhui Zhou\**  
HYDROTHERMAL SYNTHESIS OF CLAY MINERALS
- MC2.Tue.P12 *Mahdi Meftah*, *Abdesslem Ben Haj Amara\**  
CHARACTERIZATION OF NIS NANOPARTICLES IN ZEOLITE TYPE LTA