

**Oral Programme MC4**

**Layered Double Hydroxides**

Convener: Claude Forano

**Monday 15 June, 2009**

Chair: Claude Forano

- 08.50 – 09.20 MC4.Mon.KL1  
*Andrey G. Kalinichev\**, *P. Padma Kumar*, *R. James Kirkpatrick*  
EFFECTS OF HYDROGEN BONDING ON THE PROPERTIES OF LAYERED DOUBLE HYDROXIDES INTERCALATED WITH ORGANIC ACIDS: MOLECULAR DYNAMICS COMPUTER SIMULATIONS
- 09.20 – 09.40 MC4.Mon.L2  
*Wn Budhysutanto\**, *D. Van agterveld*, *E. Schomaker*, *Ag. Talma*, *HJM. Kramer*  
STABILITY AND TRANSFORMATION KINETICS OF 3R1 AND 3R2 POLYTYPES OF MG-AL LAYERED DOUBLE HYDROXIDES
- 09.40 – 10.00 MC4.Mon.L3  
*Gabriela Carja\**, *Yoshikazu Kameshima*, *Gabriela Ciobanu*, *Akira Nakajima*  
NANOSIZED IRON OR TITANIUM OXIDES / LAYERED DOUBLE HYDROXIDES AS NANOSTRUCTURED ESSEMBLES
- 10.00 – 10.20 MC4.Mon.L4  
*Debajyoti Mondal*, *Gilles Villemure\**  
EFFECT OF METAL BIBYRIDYL CATIONS ON THE ELECTROCHROMIC RESPONSES OF FILMS OF REDOX ACTIVE NICKEL-LAYERED DOUBLE HYDROXIDES
- 10.20 – 10.40 MC4.Mon.L5  
*G. Busca*, *U. Costantino\**, *R. Marazza*, *G. Ramis*, *M. Sisani*  
MIXED METALS (Zn OR Mg, Ni, Al) LAYERED DOUBLE HYDROXIDES AS PRECURSORS OF ETHANOL STEAM REFORMING CATALYSTS

**Poster Programme MC4**

**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:** Claude Forano

- MC4.Tue.P1 *Gabriela Ciobanu\**, *Gabriela Carja*, *Victoria Negut*, *Sofronia Dranca*  
CELLULOSE ACETATE/HYDROTALCITE – LIKE ANIONIC CLAY NANOCOMPOSITES
- MC4.Tue.P2 *Antonio De Martino\**, *Marianna Iorio*, *Antonio Violante*, *Massimo Pigna*, *Renato Capasso*  
REMOVAL OF CHROMIUM BY LDH-POLYMERIN COMPLEXES
- MC4.Tue.P3 *Shuijiao Liao*, *Guanglong Liu*, *Duanwei Zhu\**, *Liyang Ren*, *Jingzhen Cui*  
SYNTHESIS, CHARACTERIZATION AND MN<sup>2+</sup> ADSORPTION PROPERTIES OF BORON-DOPED ALUMINUM HYDROXIDE
- MC4.Tue.P4 *Zohra Bouberka*, *Zoubir Derriche*, *Hana Mestankova*, *Gilles Mailhot*, *Claude Forano\**, *Vanessa Prevot*  
ELABORATION AND CHARACTERIZATION OF NOVEL PHOTOCATALYST TiO<sub>2</sub>/ LDH NANOCOMPOSITES
- MC4.Tue.P5 *Massimo Pigna\**, *Antonio De Martino*, *Marianna Iorio*, *Renato Capasso*, *Antonio Violante*  
POTENTIAL REMOVAL OF As(V), Cr(III) AND Cr(VI) FROM WATER USING LAYERED DOUBLE HYDROXIDES
- MC4.Tue.P6 *Felipe F. Silva*, *Gustavo F. Perotti*, *Ricardo A. A. De Couto*, *Fabrice Leroux*, *Ana M. C. Ferreira*, *Vera R. L. Constantino\**  
FUNCTIONAL HYBRID MATERIALS CONTAINING NATURAL DYE FROM ANNATTO INTERCALATED INTO LAYERED DOUBLE HYDROXIDES
- MC4.Tue.P7 *Thomas Kuehn\**, *Herbert Poellmann*  
SYNTHESIS OF AMINO ACID CONTAINING LAYERED DOUBLE HYDROXIDES
- MC4.Tue.P8 *Hella Mansouri*, *Claude Forano\**, *Vanessa Prévot*, *Nicole Jaffrezic-Renault*, *Abdesslem Ben Haj Amara*  
ELABORATION OF TRYPSIN-LDH BIOSENSOR FOR POLYPEPTIDE DETECTION
- MC4.Tue.P9 *Aiko Yasutake*, *Sumio Aisawa*, *Hidetoshi Hirahara*, *Satoshi Takahashi*, *Eiichi Narita\**  
PEPTIDE-EMBELLISHED 5-FU/LDH NANOHYBRID PARTICLES FOR DRUG DELIVERY SYSTEM
- MC4.Tue.P10 *Toshiyuki Hibino\**, *Hitoshi Ohya*  
BY-PRODUCT FORMATION DURING LAYERED DOUBLE HYDROXIDE PREPARATION BY USING UREA HYDROLYSIS
- MC4.Tue.P11 *František Kovanda\**, *Petra Mašátová*, *Květa Jiráťová*  
PREPARATION OF LAYERED DOUBLE HYDROXIDES ON METAL SUPPORTS
- MC4.Tue.P12 *Birte Hansen\**, *Hilde Curtius*, *Reinhard Odoj*  
PREPARATION AND CHARACTERIZATION OF A Fe(II)-CONTAINING Mg-Al-CI LAYERED DOUBLE HYDROXIDE
- MC4.Tue.P13 *Gustavo F. Perotti\**, *Hernane S. Barud*, *Younes Messaddeq*, *Sydney J. S. Ribeiro*, *Vera R. L. Constantino*  
SYNTHESIS OF LAYERED DOUBLE HYDROXIDE IN HETEROGENEOUS MEDIUM
- MC4.Tue.P14 *Hannah E. Cross*, *D. Robert Brown\**  
DEPENDENCE OF BASIC AND CATALYTIC PROPERTIES OF LAYERED DOUBLE HYDROXIDES ON SYNTHETIC ROUTES