

Oral Programme MC7

Structural characterization of lamellar compounds

Conveners: Bruno Lanson, Douglas McCarty

Tuesday 16 June, 2009

Chairs: Douglas McCarty

- 11.00 – 11.30 MC7a.Tue.KL1
*Toshihiro Kogure**
VISUALIZATION OF STACKING DISORDER IN KAOLINITE BY HRTEM
- 11.30 – 11.50 MC7a.Tue.L2
Bruno Lanson, Nathaniel Findling, Boris A. Sakharov, Alain Plançon, Eric Ferrage, Victor A. Drits*
MODELLING X-RAY DIFFRACTION PATTERNS OF MIXED LAYERS BEYOND NEWMOD
- 11.50 – 12.10 MC7a.Tue.L3
Alain Plançon, Jacques Roux*
SOFTWARE FOR AN ASSISTED DETERMINATION OF THE STRUCTURAL PARAMETERS OF THE MIXED LAYER PHYLLOSILICATES
- 12.10 – 12.30 MC7a.Tue.L4
Eric Ferrage, Boris Sakharov, Laurent Michot, Bruno Lanson, Alfred Delville, Gabriel Cuello*
INTERLAYER ORGANIZATION OF WATER IN SYNTHETIC SAPONITE BY COMBINATION OF MOLECULAR SIMULATION AND X-RAY/NEUTRON DIFFRACTION PROFILE MODELING
- 12.30 – 12.50 MC7a.Tue.L5
Kerstin Petrick, Ralf Diedel, Miriam Peuker, Matthias Dieterle, Paul Kuch, René Kaden, Peter Krolla-Sidenstein, Katja Emmeri*
DO I-S MIXED-LAYER MINERALS INFLUENCE THE WORKABILITY OF TWO CERAMIC CLAYS FROM WESTERWALD, GERMANY?

LUNCH 12.50-14.20

Tuesday 16 June, 2009

Chairs: Bruno Lanson

- 14.30 – 15.00 MC7b.Tue.L1
Étienne Balan, Simon Delattre, Chloé Fourdrin, Marc Blanchard, Thierry Allard, Michele Lazzeri, Francesco Mauri*
INFRARED SPECTROSCOPY OF CLAY MINERALS FROM FIRST-PRINCIPLES
- 15.00 – 15.20 MC7b.Tue.L2
Frank Friedrich, Peter G. Weidler*
ALKALI METAL ACETATE INTERCALATION OF KAOLINITE OBSERVED BY ATR-FTIR SPECTROSCOPY
- 15.20 – 15.40 MC7b.Tue.L3
Anne-Claire Gaillot, Victor A Drits, Alain Manceau, Martine Lanson, Bruno Lanson*
CRYSTAL STRUCTURE OF BIRNESSITE: IMPACT OF pH AND LAYER CHARGE ORIGIN
- 15.40 – 16.00 MC7b.Tue.L4
*Alain Manceau**
X-RAY VIEWS OF THE DEFECT STRUCTURE AND CHEMISTRY OF LAYERED ENVIRONMENTAL NANOPARTICLES

Poster Programme MC7

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

Attendance Time: Tuesday, 16 June, 18:30–19:30

Chairs: Bruno Lanson & Douglas McCarty

- MC7.Tue.P1 *Patricia Aparicio**, *Ray E. Ferrell*, *Emilio Galán*
MG AND K CATION SATURATION EFFECTS ON SOIL CLAYS
- MC7.Tue.P2 *Abdesslem Ben Haj Amara*, *Hafsia Ben Rhaïem*, *Med-Salah Karmou*
HYDRATION PROPERTIES OF NA EXCHANGED WYOMING MONTMORILLONITE AND SYNTHESIZED TRIOCTAHEDRAL SAPONITE AND HECTORITE IN RELATION WITH LAYER CHARGE AND LOCATION
- MC7.Tue.P3 *Hafsia Ben Rhaïem**, *Abdesslem Ben Haj Amara*, *Med-Ali Toumi*
A THEORETICAL MODEL FOR SIMULATION OF SAXS AND XRD PATTERNS: DETERMINATION OF THE STRUCTURE AND MICROSTRUCTURE OF NATURAL CLAYS
- MC7.Tue.P4 *A. Dekayir*, *M. Amouric**, *M. Nciri*, *N. Allali*, *J. Olives*
MINERALOGY OF TALC DEPOSITS FROM AGOUNDIS(MOROCCO)
- MC7.Tue.P5 *Ioannis Mitsis**, *Athanasios Godelitsas*, *Jörg Göttlicher*, *Ralph Steininger*, *Platon Gamaletsos*, *Maria Perraki*, *Michael Stamatakis*
CHROMIUM-BEARING CLAYS FROM CROMMYONIA VOLCANIC AREA, GREECE
- MC7.Tue.P6 *Michael W. Möller*, *Dunja Hirsemann*, *Josef Brey**
SPONTANEOUS FORMATION OF REGULARLY INTERSTRATIFIED SYNTHETIC FLUROHECTORITE
- MC7.Tue.P7 *Oladipo Omotoso**, *Stephen Aja*
RIETVELD REFINEMENT OF SOME DISORDERED IIB MG- AND FE-RICH CHLORITES
- MC7.Tue.P8 *Fabrice Salles**, *Jean-Marc Douillar*, *Drenaud Denoyel*, *Olivier Bildstein*, *Michel Jullien*, *Henri Van Damme*
DETERMINATION OF THE SPECIFIC SURFACE AREA IN SWELLING CLAYS