

Oral Programme MC3

Crystal Chemistry and Structure of Clays

Conveners: Stephen Guggenheim, Alain Meunier

Sunday 14 June, 2009

Chair: Stephen Guggenheim

- 11.00 – 11.30 MC3a.Sun.KL1
*Marcello Mellini**
HP AND HT STRUCTURES OF SERPENTINE MINERALS
- 11.30 – 11.50 MC3a.Sun.L2
*Jock Churchman**
HALLOYSITE – ARE WE THERE YET?
- 11.50 – 12.10 MC3a.Sun.L3
Javier Cuadros, Fernando Nieto, Teresa Wing-Dudek*
MACROSCOPIC AND MICROSCOPIC (TEM-AEM, HRTEM) EVIDENCE OF SMECTITE KAOLINIZATION MECHANISM AND K-S STRUCTURE
- 12.10 – 12.30 MC3a.Sun.L4
Emilia García-Romero, Mercedes Suarez*
ON THE CHEMICAL COMPOSITION OF SEPIOLITE
- 12.30 – 12.50 MC3a.Sun.L5
Roberto Giustetto, Roberto Compagnoni*
A NEW OCCURRENCE OF MASSIVE PLYGORSKITE FROM THE SESIA-LANZO ZONE, WESTERN ALPS

LUNCH 12.50-14.20

Sunday 14 June, 2009

Chair: Alain Meunier

- 14.30 – 15.00 MC3b.Sun.L1
Stephen Guggenheim, August F. Koster Van Groos*
DEEP OCEAN-FLOOR AND BORE-HOLE SIMULATIONS: EXAMPLES INVOLVING MONTMORILLONITE AND NONTRONITE
- 15.00 – 15.20 MC3b.Sun.L2
*Olga Kotova**
SURFACE PHYSICS AND CHEMISTRY OF CLAYS
- 15.20 – 15.40 MC3b.Sun.L3
Marcial G. Márquez, Patricia Aparicio, Saverio Fiore, Emilio Galán*
DETERMINATION OF THE KAOLINITE/HALLOYSITE RATIO IN KAOLINS USING XRD AND DTA-TG
- 15.40 – 16.00 MC3b.Sun.L4
Fernando Nieto, Marcello Mellini, Isabel Abad*
CRYSTAL STRUCTURE OF ILLITE
- 16.00 – 16.20 MC3b.Sun.L5
*Sabine Petit**
REVISITING THE RULE OF CATION MASS-VALENCE SUM TO ASSIGNING OH- BANDS IN DIOCTAHEDRAL SMECTITES IN THE LIGHT OF NEW DATA FROM SYNTHETIC GA-SMECTITES

COFFEE BREAK 16.20-16.40

Sunday 14 June, 2009

Chair: Sabine Petit

- 16.40 – 17.10 MC3c.Sun.L1
Joël Raynal, Michel Jullien*
CONTINUUM PHASE IN SMECTITES: EXTENSION TO HYDROUS PHYLLOSILICATES
- 17.10 – 17.30 MC3c.Sun.L2
*Jan Šrodorí**
LAYER CHARGES OF ILLITE-SMECTITE AND IMPLICATIONS FOR WELL-LOGGING

- 17.30 – 17.50 MC3c.Sun.L3
*Elizabeth T. Stathopoulou, Mercedes Suarez, Emilia García-Romero, Manuel Sanchez Del Rio, Gorge H. Kacandes, Vassilis Gionis, Georgios D. Chryssikos**
COMPOSITION DEPENDENCE OF THE UNIT CELL DIMENSIONS OF PLYGORSKITE
- 17.50 – 18.10 MC3c.Sun.L4
Mercedes Suarez, Emilia García-Romero, Georgios D. Chryssikos, Gionis Vassilis, George H. Kacandes, Sánchez Del Rio Manuel*
STRUCTURE AND PROPERTIES OF PLYGORSKITE WITH EXCESS AL
- 18.10 – 18.30 MC3c.Sun.L5
Erzsébet Tóth, Tamás G. Weiszbürg, Dana Pop*
CELADONITE VS. GLAUCONITE: ROOTS OF AND SOLUTIONS FOR THE MISUSE OF THE TERMS

Poster Programme MC3

Posting Time: Saturday 13 June; **Removal:** Monday 15 June, 12.50-14.30;

Attendance Time: Sunday, 14 June, 18:30–20:00

Chairs: Stephen Guggenheim & Alain Meunier

- MC3.Sun.P1 *Burhan Davarçioğlu**
SPECTRAL CHARACTERIZATION OF CUKURBAG AREA (CAMARDI-NIGDE) CLAYS, CENTRAL ANATOLIAN REGION-TURKEY
- MC3.Sun.P2 *Charlotte Jeannin*, Olivier Grauby, Alain Baronnet*
HYDRATED HALLOYSITE STUDIED BY TRANSMISSION ELECTRON MICROSCOPY WITH AN ENVIRONMENTAL CELL
- MC3.Sun.P3 *Jeane A. Rosário*, Gabriel B. Moura, Laura A. Silva, Miguel E. Brys, Marivone Gusatti, Humberto G. Riella*
INFLUENCE OF DIVERSE TREATMENTS OVER SWELLING ON BENTONITES
- MC3.Sun.P4 *Hejing Wang*, Jian Zhou, Nan Zheng, Tingjing Xu, Ting Li*
CRYSTAL CHEMISTRY AND STRUCTURE STUDY ON PLYGORSKITE FROM HUAJIAGANG, CHINA
- MC3.Sun.P5 *Sedef Dikmen*, Bahri Ersoy*
ADSORPTION OF IONIC AND NON-IONIC SURFACTANTS ONTO TALC A NATURALLY HYDROPHOBIC MINERAL
- MC3.Sun.P6 *Bahri Ersoy, Sedef Dikmen**
CHARACTERIZATION OF TURKISH TALC AND ITS COAGULATION BEHAVIOUR IN THE PRESENCE OF CHLORIDE-BASED METAL SALTS
- MC3.Sun.P7 *Daoudi Lahcen*, Knidiri Abdelouahab*
PLYGORSKITE IN THE EOCENE ROCKS FROM WESTERN HIGH ATLAS, MOROCCO: STRUCTURE AND PROPERTIES
- MC3.Sun.P8 *Gairat Rakhmatkariev*, Dilnoza Jumaeva, Firuza Usmanovaa*
CALORIMETRIC STUDY OF THE MAJOR THERMODYNAMIC ADSORPTION FUNCTIONS AND THE MOLECULAR MECHANISMS OF THE ADSORPTION OF CO₂ ON K-MICA
- MC3.Sun.P9 *Fatima Zibouche*, Hacène Kerdjoudj*
STRUCTURAL CHARACTERIZATION OF KAOLIN FROM TAMAZERT (ALGERIA) DEPOSIT