

Oral Programme CE4

Colloids & Rheology

Convener: Carmen Galassi

Tuesday 16 June, 2009

Chair: Carmen Galassi

- 11.00 – 11.30 CE4a.Tue.KL1
*Romano Lapasin**
STRUCTURAL FEATURES AND RHEOLOGY OF CLAY PARTICLE DISPERSIONS
- 11.30 – 11.50 CE4a.Tue.L2
Holger Seher, Thorsten Schäfer, Horst Geckeis, Thomas Fanghänel*
BENTONITE COLLOID STABILITY IN GRANITE GROUNDWATERS: EXPERIMENTS AND MODELLING
- 11.50 – 12.10 CE4a.Tue.L3
Marek S. Zbik, Ray I. Frost, Yen-Fang Song, Yi-Ming Chen, Jian-Huachen*
NANO-STRUCTURE OF CLAY GELS
- 12.10 – 12.30 CE4a.Tue.L4
Baoxiang Wang, Min Zhou, Zbigniew Rozynek, Jon Otto Fossum*
ELECTRORHEOLOGICAL PROPERTIES OF ORGANICALLY MODIFIED LAPONITE: INTERCALATION, ADSORPTION AND WETTABILITY
- 12.30 – 12.50 CE4a.Tue.L5
Christian Blachier, Laurent Michot, Christophe Baravian, Alain Jacquet*
CLAY IMPACT ON THE PROPERTIES OF GRANULAR MIXES: A RHEOLOGICAL STUDY

LUNCH 12.50-14.20

Tuesday 16 June, 2009

Chair: Romano Lapasin

- 14.30 – 15.00 CE4b.Tue.L1
Ozlem Caglar Duvarci, Yelda Akdeniz, Deniz Simsek, Muhsin Ciftcioglu, Semra Ulku*
ZEOLITE-CLAY SUSPENSIONS: RHEOLOGICAL AND SINTERING BEHAVIOR
- 15.00 – 15.20 CE4b.Tue.L2
*Yves Méheust, Kanak Parmar, Borge Schjelderupsen, Jon O. Fossum**
THE ELECTRO-RHEOLOGY OF SUSPENSIONS OF SYNTHETIC SMECTITES IN OIL
- 15.20 – 15.40 CE4b.Tue.L3
Marek S. Zbik, Roger St.C. Smart, Gayle E. Morris, Ray I. Frost*
KAOLINITE FLOCCULATION STRUCTURES, RESULTS FROM CRYO-SEM AND SYNCHROTRON BASED TXM INVESTIGATIONS
- 15.40 – 16.00 CE4b.Tue.L4
Sarah I. Grant, John J. Liggat, Duncan Mackerron, Simon V. Mortlock*
EFFECT OF ORGANIC MODIFICATION AND CHEMICAL FUNCTIONALITY ON EXFOLIATION
- 16.00 – 16.20 CE4b.Tue.L5
*Julia P. Clarke, Antonio Bobet, Vincent P. Drnevich, Chadi El Mohtar, Cliff T. Johnston, Marika Santagata**
SODIUM PYROPHOSPHATE – BENTONITE SUSPENSIONS FOR USE IN LIQUEFACTION MITIGATION

Poster Programme CE4

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: Jon Otto Fossum & Carmen Galassi

- CE4.Tue.P1 *Philip Jackson**, *Carmen Galassi*, *Marcello Romagnoli*, *Jose-Maria Ferriera*, *Dariusz Kata*
ADDITIVE OPTIMIZATION FOR IMPROVED CERAMICS: OVERVIEW OF A EUROPEAN PROJECT
- CE4.Tue.P2 *Olena Mokrousova**, *Vasyl Moraru*
EFFECT OF INORGANIC ALKALINE REAGENTS ON THE DISPERSITY AND DEFLOCCULATION OF CLAY MINERALS
DISPERSIONS APPLY TO THE LEATHER FILLERS
- CE4.Tue.P3 *Alexandros Pratikakis*, *George E. Christidis**, *Pagona Makri*
INFLUENCE OF LAYER CHARGE OF SMECTITES ON THEIR SWELLING AND VISCOSITY BEHAVIOUR
- CE4.Tue.P4 *Davide Gardini**, *Carmen Galassi*
THE FLOW BEHAVIOUR OF CLAY SUSPENSIONS
- CE4.Tue.P5 *Marcello Romagnoli**
A CONTRIBUTION OF THE EUROPEAN PROJECT "ADOPTIC" TO THE OPTIMISATION OF CHEMICAL ADDITIVES
- CE4.Tue.P6 *Özlem Çağlar Duvarci**, *Muhsin Çiftçioğlu*
THE INFLUENCE OF FRUCTOSE ON THE RHEOLOGICAL BEHAVIOR OF ALUMINA DISPERSIONS
- CE4.Tue.P7 *Neil J. Bradley**, *John J. Liggat*, *Richard A. Pethrick*, *Nadeem Javid*
ASSESSING PHASE BEHAVIOUR IN CLAY-MONOMER DISPERSIONS: THE AGGREGATION PROBLEM
- CE4.Tue.P8 *C. Karagüzel*, *F. Boylu**, *K. Çinku*, *F. Karakaş*, *M. S. Çelik*
DIFFERENT MECHANISMS FOR THE ACTIVATION PHENOMENA OF BENTONITES