

Oral Programme NM1

Functional hybrid nanofilms

Convener: Robert Schoonheydt

Tuesday 16 June, 2009

Chair: Robert A. Schoonheydt

- | | |
|---------------|---|
| 08.50 – 09.20 | NM1.Tue.KL1
<i>Jun Kawamata*</i>
LINEAR AND NONLINEAR OPTICAL PROPERTIES OF COMPOSITES CONSISTING OF CLAYS AND DYES |
| 09.20 – 09.40 | NM1.Tue.L2
<i>Alanah Fitch*</i>
PHOTOELECTROCHEMICAL INDUCED UNDULATIONS OF CLAY FILM |
| 09.40 – 10.00 | NM1.Tue.L3
<i>Regis Gengler*, Luminita Toma, Dimitrios Gournis, Petra Rudolf</i>
CLAYS AS TEMPLATES FOR THE SYNTHESIS OF HIGHLY ORDERED TWO-DIMENSIONAL ORGANIC-INORGANIC HYBRIDS USING THE LANGMUIR BLODGETT APPROACH |
| 10.00 – 10.20 | NM1.Tue.L4
<i>Nobuyuki Takahashi, Kazuyuki Kuroda*</i>
PREPARATION OF AN ANION EXCHANGE MATERIAL BY IMMOBILIZATION OF IONIC LIQUID ONTO LAYERED OCTOSILICATE |
| 10.20 – 10.40 | NM1.Tue.L5
<i>Yasushi Umemura*, Kiyotaka Ide, Makoto Yamazaki, Tadahito Shimada, Emi Shinohara, Akihiko Yamagishi</i>
CONTROLLING THE SURFACE PROPERTIES OF ULTRATHIN ORGANO-CLAY HYBRID FILMS FROM CATION-EXCHANGEABLE SURFACES TO ANION-EXCHANGEABLE SURFACES |

Poster Programme NM1

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: Robert A. Schoonheydt

- NM1.Tue.P1 *Ryoya Matsunaga, Hiroshi Yamaki, Yasutaka Suzuki, Jun Kawamata*, Toshihiro Kogure, Akihiko Sato, Akihiko Yamagishi*
OPTICAL SECOND-HARMONIC GENERATION FROM COMPOSITES CONSISTING OF CHIRAL ORGANIC MOLECULES AND A SMECTITE
- NM1.Tue.P2 *Yasutaka Suzuki*, Chikako Ichimaru, Shoichiro Hirakawa, Jun Kawamata*
HYBRID FILMS CONSISTING OF A CLAY AND ORGANIC DYES FOR TWO-PHOTON ABSORPTION MATERIALS
- NM1.Tue.P3 *Sandra Salleres*, Fernando López Arbeloa, Irigo López Arbeloa*
REDUCING THE DYE AGGREGATION ON CLAY SYSTEMS: COADSORPTION OF RHODAMINE 6G AND C12TMA SURFACTANT IN LAPONITE FILMS
- NM1.Tue.P4 *S. Miao, S. De feyter, R.A. Schoonheydt**
LANGMUIR-BLODGETT FILMS OF CLAY-PROTEIN COMPOSITES
- NM1.Tue.P5 *A. Hussain, A. Volodin, M.P. Chowdury, C. Van Haesendonck, R. A. Schoonheydt**
MECHANICS OF CLAY MINERAL SHEETS: HECTORITE AND SAPONITE

Oral Programme NM2

Industrial Applications of Nanoclays

Convener: Haydn H. Murray -

Thursday 18 June, 2009

Chair: Cliff T. Johnston

- 14.30 – 15.00 NM2a.Thu.KL1
*Thomas J. Pinnavaia**
NANOCLAYS AND MESOPOROUS NANOSILICATES: APPLICATIONS IN ENGINEERING POLYMER TECHNOLOGY
- 15.00 – 15.20 NM2a.Thu.L2
*Murray Lines**
INDUSTRIAL APPLICATIONS OF NANOCLAYS
- 15.20 – 15.40 NM2a.Thu.L3
*Faiza Annabi-Bergaya**
INDUSTRIAL EUROPEAN APPLICATIONS OF CLAY-POLYMER NANOCOMPOSITES RESEARCH AND DEVELOPMENT OF NANOCLAYS
- 15.40 – 16.00 NM2a.Thu.L4
*Yoshiaki Fukushima**
DEVELOPMENTS FOLLOWED BY NCH
- 16.00 – 16.20 NM2a.Thu.L5
Benny K.G. Theng, Guodong Yuan, Yukinori Tani*
CLAY-POLYMER INTERACTIONS AND NANOCOMPOSITES

COFFEE BREAK 16.20-16.40

Thursday 18 June, 2009

Chair: Thomas J. Pinnavaia

- 16.40 – 17.10 NM2b.Thu.L1
Tsung-Yen Tsai, Chien Hung, Kuo Wen, Chi Chen*
THE STUDY OF THE ADDITIVE FOR REDUCING THE PRINT-THROUGH PHENOMENON AND INCREASING THE CURING DEGREE OF UP COMPOSITES
- 17.10 – 17.30 NM2b.Thu.L2
Marika Santagata, Gnasiri Premachandra, Cliff T. Johnston*
NANO CONFINED WATER IN CLAY MINERALS
- 17.30 – 17.50 NM2b.Thu.L3
Qinfu Liu, Yude Zhang, Shuli Ding*
GAS BARRIER PROPERTIES OF RUBBER/KAOLIN NANOCOMPOSITES
- 17.50 – 18.10 NM2b.Thu.L4
Stanisa Stojiljkovic, Goran Nikolic, Ljubisa Nikolic, Nebojsa Mitic*
DESORPTION FROM HETEROGENEOUS AND POROUS BODY BASED ON CLAY

Poster Programme NM2

Posting: Wednesday 17 June, 20.30-22.30. **Removal:** Friday 19 June.

Attendance Time: Thursday 18 June, 18:30–20:00

Chair: Cliff T. Johnston

- NM2.Thu.P1 *Daryoush Afzali**, *Ali Mostafavi*
APPLICATION OF MODIFIED ORGANO NANOCCLAY AS A NEW SORBENT FOR SEPARATION AND PRECONCENTRATION TRACE AMOUNT OF METAL IONS
- NM2.Thu.P2 *Ching-Shun Chen*, *Tsing-Hai Wang*, *Jiann-Ruey Chen*, *Shi-Ping Teng**
PREPARATION OF Cu₂O/MONTMORILLONITE COMPOSITE MATERIAL: A FEASIBILITY STUDY
- NM2.Thu.P3 *Quan Chen**, *Wai Tat Kerk*, *Andrew M. Soutar*, *Xian Ting Zeng*
DYED CLAY AND ITS ADVANCED APPLICATIONS
- NM2.Thu.P4 *Dongshen Tong*, *Jie Li*, *H. S. Xia*, *G. F. Jiang*, *Y. X. Fan*, *M.Y. Li*, *Q. Fan*, *Chunhui Zhou**
SYNTHESIS AND CATALYTIC EPOXIDATION OF ALLYL CHLORIDE OF TS-1@ HECTORITE COMPOSITES
- NM2.Thu.P5 *Tsung-Yen Tsai**, *Chun-Yi Lee*, *Chen-Ju Lee*, *Wei-Chiang Chang*, *Wei Lee*, *Po-Cheng Chen*
MORPHOLOGY AND ELECTRO-OPTICAL PROPERTIES OF LIQUID CRYSTAL- INORGANIC MATERIAL-POLYMER COMPOSITES
- NM2.Thu.P6 *T.M. Tsao**, *M.K. Wang*, *P.M. Huang*
A NEW DEVICE FOR EFFICIENT COLLECTION OF ENVIRONMENTAL NANOPARTICLES
- NM2.Thu.P7 *Albert Voloshchuk**, *Olga Krasilnikova*, *Natalia Serebryakova*, *Ali Aliev*, *Elena Khozina*, *Rajender Varma*, *Sikdar Subhas*
APPLICATION OF CLAY MINERALS WITH IMMOBILIZED METAL SPECIES FOR DESULFURIZATION OF LIQUID FUELS
- NM2.Thu.P8 *Fumihiko Ohashi**, *Toshitsugu Taguri*, *Hisao Abe*
ANTIBACTERIAL ACTIVITY AND ITS SUSTAINABILITY OF ANTIBIOTIC INTERCALATED MONTMORILLONITE AS A DRUG DELIVERY MATERIAL

Oral Programme NM3

Mesoporous Silica as Molecular Sieves

Convener: Venkatathri Narayanan & Jana Madejová

Thursday 18 June, 2009

Chair: Jana Madejová

- 08.50 – 09.20 NM3.Thu.L1
*C.X. (Cynthia) Lin, Z. Li, L. Zhang, C.Z. Yu, C.H. Zhou, G. Q. (Max) Lu**
FABRICATION AND CHARACTERISTICS OF SMART MAGNETIC NANOCOMPOSITES: ENCAPSULATED FERRITE OXIDE IN HOLLOW PERIODIC MESOPOROUS ORGANOSILICA
- 09.20 – 09.40 NM3.Thu.L2
Jana Madejová, Helena Pálková, Malgorzata Zimowska, Ewa M. Serwicka*
LAPONITE-DERIVED POROUS CLAY HETEROSTRUCTURES: FTIR STUDY OF THE STRUCTURE EVOLUTION
- 09.40 – 10.00 NM3.Thu.L3
*Venkatathri Narayanan**
SYNTHESIS, CHARACTERIZATION AND ITS APPLICATIONS OF A NOVEL MESOPOROUS HOLLOW SILICA, NANOCUBOIDS
- 10.00 – 10.20 NM3.Thu.L4
Malgorzata Zimowska, Mirosława Bazarnik, Krzysztof Bahranowski, Elżbieta Bielańska, Ewa M. Serwicka, Zbigniew Olejniczak*
SYNTHESIS, PHYSICOCHEMICAL CHARACTERIZATION AND CATALYTIC PROPERTIES OF ALUMINATED MESOPOROUS SILICAS OF FSM-16 TYPE
- 10.20 – 10.40 NM3.Thu.L5
*Ruiqin Zhang**
SILICON QUANTUM DOTS FUNCTIONALIZED WITH BIOMOLECULES IN EXCITED STATES

Poster Programme NM3

Posting: Wednesday 17 June, 20.30-22.30. **Removal:** Friday 19 June.

Attendance Time: Thursday 18 June, 18:30–20:00

Chair: Jana Madejová

NM3.Thu.P1

*Helena Pálková**, *Jana Madejová*, *Małgorzata Zimowska*, *Elżbieta Bielańska*, *Zbigniew Olejnicza*, *Lidia Lityńska-Dobrzyńska Ewa*, *M. Serwicka*

LAPONITE-DERIVED POROUS CLAY HETEROSTRUCTURES: SYNTHESIS AND PHYSICOCHEMICAL CHARACTERIZATION

NM3.Thu.P2

*Sabrina M. Yahaya**, *Faustina Elfrida Anak Sangkok*, *Nurul Izza Taib*

PREPARATION AND CHARACTERIZATION OF SOLID POLYMER ELECTROLYTE COMPOSITE

NM3.Thu.P3

*Nurul Izza Taib**, *Salasiah Endud*, *Md Nasir Katun*

SYNTHESIS OF POLY(VINYL ACETATE)-SILYLATED MESOPOROUS SI-MCM-41 NANOCOMPOSITE AND ITS CHARACTERIZATION

Oral Programme NM4

Metal Nanoparticles Catalyzed Organic Synthesis

Convener: José M.F. Ferreira

Thursday 18 June, 2009

Chair: José M.F. Ferreira

- 11.00 – 11.30 NM4.Thu.KL1
*Vairaperumal Tharmaraj, Kasi Pitchumani**
CLAY-STABILIZED SILVER NANOPARTICLES AS CATALYSTS IN REDUCTION OF OLEFINS, NITROARENES AND CARBONYL COMPOUNDS
- 11.30 – 11.50 NM4.Thu.L2
Venkata Sivaiah Matte, Joël Barrault, Sabine Petit, Catherine Batiot Dupeyrat, Sabine Valange, Marie France Beaufort, Dominique Eyidi*
CO₂ REFORMING OF CH₄ OVER Ni-Mg CONTAINING PHYLLOSILICATES AS CATALYST PRECURSORS
- 11.50 – 12.10 NM4.Thu.L3
Letaief Sadok, Zhu Linhua, Grant Sarah, Yun Liu, Pell Wendy, Detellier Christian*
IMMOBILIZATION OF GOLD NANOPARTICLES ON THE EXTERNAL SURFACES OF CLAY MINERALS

Poster Programme NM4

Posting: Wednesday 17 June, 20.30-22.30. **Removal:** Friday 19 June.

Attendance Time: Thursday 18 June, 18:30–20:00

Chair: José M.F. Ferreira

NM4.Thu.P1

*Paula M. Torres, Hugo R. Fernandes, José M.F. Ferreira**

THE IMPORTANCE OF ADDITIVES ON EMERGING PROCESSING TECHNOLOGIES OF NANO-CERAMICS

NM4.Thu.P2

B. Sreedhar, R. Arundhathi, M.A. Reddy, G. Parthasarathy*

NANOCRYSTALLINE CHAMOSITE – A NATURALLY OCCURRING CLAY – A VERSATILE HETEROGENOUS CATALYST

Oral Programme NM5

Natural zeolites: from genesis to applications

Conveners: Piergiulio Cappelletti, Alessio Langella, Nai-Qian Feng

Wednesday 17 June, 2009

Chairs: Piergiulio Cappelletti & Alessio Langella

- 08.50 – 09.20 NM5a.Wed.KL1
*David L. Bish**, *Hsiu-Wen Wang*
THE IMPORTANCE OF THE PARTIAL PRESSURE OF H₂O IN ZEOLITE PHASE TRANSITIONS
- 09.20 – 09.40 NM5a.Wed.L2
Piergiulio Cappelletti, *Giacomo D. Gatta**, *Alessio Langella*
NEW DATA ON PHILLIPSITES FROM NEAPOLITAN YELLOW TUFF
- 09.40 – 10.00 NM5a.Wed.L3
*Athanasios Godelitsas**, *Anestis Filippidis*, *Panagiotis Misaelides*
TRANSITION METAL COMPLEXES SUPPORTED ON NATURAL ZEOLITES: NEW COMPOSITE MATERIALS FOR INNOVATIVE APPLICATIONS
- 10.00 – 10.20 NM5a.Wed.L4
B. K. Singh, *S. S. Tomar*, *Renu Tomar**, *Radha Tomar**
SORPTION OF HOMOLOGUES OF REDIONUCLIDES ON SYNTHETIC ION EXCHANGER
- 10.20 – 10.40 NM5a.Wed.L5
*Yelda Akdeniz**, *Semra Ulku*
PREPARATION OF ANTIMICROBIAL NATURAL ZEOLITE: ION EXCHANGE BY MICROWAVE IRRADIATION AND CONVENTIONAL WATERBATH

COFFEE BREAK 10.40-11.00

Wednesday 17 June,, 2009

Chairs: Piergiulio Cappelletti & Alessio Langella

- 11.00 – 11.30 NM5b.Wed.L1
*Peter J. Leggo**
THE ENHANCEMENT OF NITRIFICATION IN AN ORGANO-ZEOLITIC-SOIL SYSTEM AND ITS EFFECT ON PLANT GROWTH AND QUALITY
- 11.30 – 11.50 NM5b.Wed.L2
*Andrea Buondonno**, *Gian Franco Capra*, *Elio Coppola*, *Maria Giustina Duras*, *Sergio Vacca*, *Carmine Colella*
FAVOURABLE EFFECTS OF NATURAL ZEOLITES ON SOILS TREATED WITH MUNICIPAL SEWAGE
- 11.50 – 12.10 NM5b.Wed.L3
Hossein M. Hosseini, *Fatemeh M. Shirazi**, *Khadjeh Naghizadeh*
USE OF NATURAL ZEOLITES IN AGRICULTURAL AND ENVIRONMENTAL FIELDS
- 12.10 – 12.30 NM5b.Wed.L4
*Cassidy Sooter**, *Wayne H. Hudnall*
RECYCLING OF ZEOLITE FILTERS THROUGH THE USE OF ELECTRODIALYSIS
- 12.30 – 12.50 NM5b.Wed.L5
*Nai-Qian Feng**, *Gai-Fei Peng*, *Quan-Lin Niu*
NATURAL ZEOLITE - A SPECIAL FUNCTIONAL MATERIAL IN CEMENT AND CONCRETE

Poster Programme NM5

Posting: 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: Piergiulio Cappelletti & Alessio Langella

- NM5.Tue.P1 *Roxana Elena Apreutesei**, *Cezar Catrinescu*, *Adrian Ungureanu*, *Carmen Teodosiu*
ADSORPTION OF 4-CHLOROPHENOL ON SURFACTANT MODIFIED ALKALI-TREATED NATURAL ZEOLITES
- NM5.Tue.P2 *Guido Cerri**, *Antonio Brundu*, *Maria Cristina Bonferoni*, *Carla Caramella*, *Maurizio De' Gennaro*
EVALUATION OF ZEOLITES AS PROTEASE INHIBITORS FOR POSSIBLE EMPLOYMENT IN THE DELIVERY OF PEPTIDIC DRUGS
- NM5.Tue.P3 *Guido Cerri**, *Antonio Brundu*, *Abner Colella*, *Maurizio De' Gennaro*
THERMAL INACTIVATION OF PB-CLINOPTILOLITE
- NM5.Tue.P4 *Abner Colella*, *Bruno De Gennaro*, *Domenico Caputo*, *Carmine Colella**
SOLIDIFICATION OF Cd-LOADED ZEOLITE-RICH TUFF POWDERS BY REACTION WITH LIME
- NM5.Tue.P5 *Athanasios Godelitsas**, *Platon Gamaletsos*, *Maria Roussos-Kotsis*
GEOCHEMICAL CHARACTERISTICS AND PHYSICO-CHEMICAL PROPERTIES OF INDUSTRIAL MINERALS FROM KIMOLOS ISLAND, GREECE
- NM5.Tue.P6 *Ting-Yu Hao**, *Nai-Qian Feng*, *Zhi-Gang Wu*, *Bo Su*
STUDY ON THE MECHANISM OF NATURAL ZEOLITE ON SUPPRESSING ALKALI-AGGREGATE REACTION
- NM5.Tue.P7 *Olga Kotova*, *Dmitryshushkov**
ANALCIME-BEARING ROCKS OF THE TIMAN REGION: COMPOSITION, PROPERTIES, APPLICATION
- NM5.Tue.P8 *Mahdi Meftah*, *Walid Oueslati**, *Abdesslem B. Haj Amara*
CHARACTERIZATION OF NiS AND NiCO₃ NANOPARTICLES IN ZEOLITE TYPE LTA HOST
- NM5.Tue.P9 *Mojtaba Mehrabian**, *Farahnaz Sohrab*, *Ahmad Heidari*, *Kazem Zamanian*
EVALUATION THE APPLICATION OF ZEOLITE AND BENTONITE ON SOIL HYDRAULIC PROPERTIES
- NM5.Tue.P10 *Mojtaba Mehrabian**, *Ahmad Heidari*, *Kazem Zamanian*, *Rohollah Taghizadeh Mehrjardi*
NATURAL ZEOLITES AND NEW APPROACHES OF THEIR USE IN SOILS. A BRIEF REVIEW
- NM5.Tue.P11 *Mariano Mercurio**, *Vincenzo Monetti*, *Piergiulio Cappelletti*, *Maurizio De' Gennaro*, *Alessio Langella*
EVALUATION OF SOME TOXIC ELEMENTS IN ZEOLITITES USED FOR ANIMAL DIET
- NM5.Tue.P12 *Mariano Mercurio**, *Vincenzo Mercurio*, *Andrea Buondonno*, *Sandro Conticelli*, *Elio Coppola*, *Maurizio De' Gennaro*, *Celestino Grifa*, *Alessio Langella*, *Vincenzo Morra*
NATURAL ZEOLITITES AND WHITE WINES FROM CAMPANIA REGION: A NEW APPROACH FOR SOLVING OENOLOGICAL PROBLEMS
- NM5.Tue.P13 *Feng Naiqian**, *Shi Yunxing*, *Niu Qualin*
AN EXPERIMENTAL STUDY ON THE CHARACTERISTICS OF ZEOLITE SUPERPLASTICIZER
- NM5.Tue.P14 *Makoto Okamoto**
OCCURRENCE OF ALTERED ZEOLITES AT TAKAMATSU CRATER AS A SPECIAL LOCALITY IN JAPAN
- NM5.Tue.P15 *Hediye Apaydin Ozcelik**, *Ertugrul Yorukogullari*
DETERMINATION OF THERMAL PROPERTIES OF SOME NATURAL ZEOLITES FROM TURKEY
- NM5.Tue.P16 *Abbas Shahidi**
DETERMINATION OF PALLADIUM IN WATER SAMPLES AFTER PRECONCENTRATION ON TO MODIFIED ANALCIME ZEOLITE WITH N,N'-BIS(2-HYDROXYBENZYLIDENE)-2,2'-(AMINOPHENYLTHIO) ETHANE
- NM5.Tue.P17 *Tayebeh Shamspur**, *Ali Mostafavi*, *Iran Sheikhshoae*
COLUMN SOLID-PHASE EXTRACTION WITH PUMPELLYITE ZEOLITE MODIFIED BY A SCHIFF BASE LIGAND AND DETERMINATION OF TRACE AMOUNTS OF COBALT IONS
- NM5.Tue.P18 *Ruben Snellings**, *Gilles Mertens*, *Jan Elsen*
THE POZZOLANIC REACTION BETWEEN ZEOLITES AND LIME: A TIME AND SPATIALLY RESOLVED IR APPROACH
- NM5.Tue.P19 *Ruben Snellings**, *Gilles Mertens*, *Jan Elsen*
FLUID COMPOSITION EVOLUTION IN NATURAL ZEOLITE-CEMENT MIXTURES

- NM5.Tue.P20 *Juan Carlos Torres**, *Jose Carlos Gubulin*
ION-INTERACTION PARAMETERS OF BINARY 2:1 AND 2:2 ION-EXCHANGE SYSTEMS OBTAINED BY THE COUPLING OF THE MARGULES MODEL WITH A LINEAR FREE ENERGY CORRELATION APPROACH: EXPERIMENTAL PROOF FOR THE ISOTHERM BEHAVIOR
- NM5.Tue.P21 *H.W. Ye, N.Q. Feng**, *G.R. Gu, W.B. Xu, J.H. Zhou*
USAGE OF ZEOLITE-PLASTICIZER IN ULTRA HIGH PERFORMANCE –SELF COMPACTING CONCRETE AND ITS ULTRA HIGH-RISE PUMPING TECHNOLOGY
- NM5.Tue.P22 *UrsulaKelm**, *Sonia Helle, Oscar Jerez, Alexander Neaman*
EVALUATION OF THE ADDITION OF NATURAL ZEOLITE TO SOILS TO IMPROVE THEIR TEMPORARY COPPER RETENTION WHEN EXPOSED TO COPPER SULPHATE SOLUTIONS
- NM5.Tue.P23 *Maryam Mohamadi Nezhad**, *Ali Mostafavi, Iran Sheikhshoae, Tayebeh Shamspur, Elaheh Molaakbari*
MODIFIED PUMPELLYITE ZEOLITE IMMOBILIZED WITH A SHIFF BASE AS NEW SORBENT FOR SIMULTANEOUS SEPARATION AND PRECONCENTRATION OF TRACE AMOUNTS OF Ag^+ , Cu^{2+} AND CO^{2+}

Oral Programme NM6

Polymer-clay nanocomposites: advantages, properties and uses

Conveners: Pascua Chelo, Giovanni Camino, Liqun Zhang

Sunday 14 June, 2009

Chairs: Pascua Chelo & Li-Qun Zhang

- 11.00 – 11.30 NM6a.Sun.KL1
*M. Zammarano, S. Rahatekar, D. M. Fox, P. C. Trulove, H. C De Long, P. H. Maupin, J. W. Gilman**
CLAY POLYMER NANOCOMPOSITES
- 11.30 – 11.50 NM6a.Sun.L2
Priscila Anadão, Laís Sato, Hélio Wiebeck, Francisco Valenzuela-Díaz*
POLYSULFONE-SODIUM BENTONITE NANOCOMPOSITE MEMBRANES
- 11.50 – 12.10 NM6a.Sun.L3
*Nimrod Blieman, Yael G. Mishael**
DEVELOPING AND APPLYING POLYCATION-CLAY COMPOSITES FOR THE REMOVAL OF SELENIUM FROM DRINKING WATER
- 12.10 – 12.30 NM6a.Sun.L4
*Francis C. Clegg, Simon Thompson, Chris Breen**
THE INFLUENCE OF CLAY AND PLASTICISER ON THE BARRIER PROPERTIES OF STARCH NANOCOMPOSITE PAPER COATINGS
- 12.30 – 12.50 NM6a.Sun.L5
Umberto Costantino, Morena Nocchetti, Michele Sisani*
ORGANICALLY MODIFIED HYDROTALCITE-LIKE ANIONIC CLAYS, NON CONVENTIONAL FILLERS OF POLYMERIC COMPOSITES

LUNCH 12.50-14.20

Sunday 14 June, 2009

Chair: Faïza Annabi-Bergaya

- 14.30 – 15.00 NM6b.Sun.L1
Cenk Denktas, Hale Berber, Hüseyin Yildirim*
PREPARATION, CHARACTERIZATION AND MECHANICAL PROPERTIES OF CLAY-PVAC LATEX BASED NANOCOMPOSITES
- 15.00 – 15.20 NM6b.Sun.L2
Margaret Louise L Honrado, Chelo S. Pascua, Eleanor Olegario, Carlo A. Arcilla*
EVALUATION OF DOMESTIC BENTONITE DEPOSITS FOR NANOCOMPOSITES
- 15.20 – 15.40 NM6b.Sun.L3
Masami Okamoto, Kumiko Asai*
REAL-TIME INVESTIGATION OF CRYSTALLIZATION IN PVDF-BASED NANOCOMPOSITES
- 15.40 – 16.00 NM6b.Sun.L4
*Huanli Qin, Shimin Zhang, Mingshu Yang**
THE ENVIRONMENTAL STABILITY AND FLAMMABILITY OF POLYMER/CLAY NANOCOMPOSITES
- 16.00 – 16.20 NM6b.Sun.L5
Hideo Sawada, Airi Takebayashi, Tsukasa Tashima*
PREPARATION AND THERMAL STABILITY OF NOVEL FLUOROALKYL END-CAPPED OLIGMERS/CLAY AND /SILICA NANOCOMPOSITES

COFFEE BREAK 16.20-16.40

Sunday 14 June, 2009

Chairs: Pascua Chelo & Li-Qun Zhang

- 16.40 – 17.10 NM6c.Sun.L1
Hua shao, Thomas J. Pinnavaia*
TRANSPARENT EPOXY-CLAY FABRIC FILMS COMPOSITES WITH HIGH GAS BARRIER PROPERTIES

- 17.10 – 17.30 NM6c.Sun.L2
*Navinchandra G. Shimpi, Satyendra Mishra**
EFFECT OF IMPROVED D-SPACING OF MONTOMORILLONITE ON PROPERTIES OF POLY (VINYL CHLORIDE) – NANOCOMPOSITES
- 17.30 – 17.50 NM6c.Sun.L3
*Rahul Singhal, Monika Datta**
MONTMORILLONITE NANO COMPOSITES FOR ORAL DRUG DELIVERY SYSTEM
- 17.50 – 18.10 NM6c.Sun.L4
Li-Qun Zhang, Youping Wu, Yiqing Wang, Yonglai Lu*
PREPARATION, STRUCTURE, PERFORMANCE, INDUSTRIALIZATION AND APPLICATION OF ADVANCED RUBBER/CLAY NANOCOMPOSITES
- 18.10 – 18.30 NM6c.Sun.L5
Sarat k. Swain, Avraam I. Isayev*
STUDY OF NYLON 6/CLAY NANOCOMPOSITES BY CONTINUOUS SONICATION PROCESS

Poster Programme NM6

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

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

Chairs: Faiza Annabi-Bergaya & Pascua Chelo

- NM6.Sun.P1 *T. Drage, J.J Lligat, R.A Pethrick, I. Rhoney, C.E. Snape, Shafique A.A Rain**
SYNTHESIS, THERMAL, BURNING OF NANOCOMPOSITE POLYURETHANE FOAMS
- NM6.Sun.P2 *Chelo S. Pascua*, Hirohisa Yamada, Kenji Tamura*
PHOTOCATALYTIC SYNTHETIC ZINC- SMECTITES
- NM6.Sun.P3 *A. Zehtab Yazdi*, R. Bagheri, M. Kazeminezhad*
A NEW MICROMECHANICAL APPROACH TO THE PLSNS CONTAINING EXFOLIATED/INTERCALATED
- NM6.Sun.P4 *A. Zehtab Yazdi*, R. Bagheri, M. Kazeminezhad*
ON THE MICROMECHANICAL APPROACH OF PLSNS CONTAINING FULLY INTERCALATED STRUCTURES
- NM6.Sun.P5 *Rym Akkari*, Ezzedine Srasra*
POLYBENZIDINE-CLAY HYBRID MATERIALS: A NOVEL METHOD OF PREPARATION
- NM6.Sun.P6 *L. Aouinti*, D. Roizard, GH. Hu, F. Thomas, M. Belbachir*
STUDY OF NANOCLAY LOADED PVC AS NOVEL MIXED MATRIX MEMBRANES FOR THE SEPARATION OF
TOLUENE- HEPTANE MIXTURES BY PERVAPOARATION
- NM6.Sun.P7 *Michael J. Barwood*, Francis C. Clegg, Chris Breen*
THE EFFECT OF (ORGANO)CLAY ADDITION ON THE PROPERTIES AND USES OF SHAPE MEMORY POLYMERS
- NM6.Sun.P8 *Jana Hrachová*, Peter Komadel, Ivan Chodák*
ORGANO-MODIFIED CLAYS AND THEIR APPLICATION IN POLYMER (NANO)COMPOSITES
- NM6.Sun.P9 *Khairuddin, Francis C. Clegg, Chris Breen**
THE INTERACTION BETWEEN PLASTICISERS AND CLAY IN POLYVINYLALCOHOL NANOCOMPOSITES
- NM6.Sun.P10 *Siriwan Kittinaovarat*, Panida Kansomwan, Nantana Jiratumnukul*
ADSORPTION BEHAVIOR OF AQUEOUS REACTIVE RED 120 DYE BY CHITOSAN/MODIFIED MONTMORILLONITE
COMPOSITE BEADS
- NM6.Sun.P11 *Daniel A.Kunz, Andreas Fery, Josef Breu**
DEFORMATION MEASUREMENTS ON SMALL SINGULAR CLAY TACTOIDS
- NM6.Sun.P12 *Nada Marstijepović*, Dragica Kovacevic, Zorica Potpara*
COMPARISON GRANULOMETRIC ANALYSIS SAMPLE ILLITE-KAOLINITE CLAYS ON THE MICROSTRUCTURE OF
SINTERED PRODUCT
- NM6.Sun.P13 *Chelo S. Pascua*, Margaret Louise, I. Honrado, Hirohisa Yamada, Kenji Tamura, Carlo A. Arcilla*
ORIENTED CLAY-POLYMER NANOCOMPOSITES
- NM6.Sun.P14 *Carmen Pesquera*, Fernando González, Ana Perdigón, Carmen Blanco, Yolanda Gómez, Olga Vega, Giovanni Camino*
FLUOROHECTORITE MODIFIED WITH A FLUOROSURFACTANT: XRD AND THERMAL STUDIES
- NM6.Sun.P15 *Hideo Sawada*, Airi Takebayashi*
PREPARATION AND APPLICATIONS OF NOVEL FLUOROALKYL END-CAPPED 2-ACRYLAMIDO-2-
METHYLPROPANESULFONIC ACID OLIGOMER/CLAY NANOCOMPOSITES
- NM6.Sun.P16 *Rahul Singhal*, Seema Datta, Monika Datta*
SYNTHESIS AND CHARACTERIZATION OF MONTMORILLONITE - Poly(D,L-Lactide-Co-Glycolide)
NANOCOMPOSITE FOR ORAL DRUG DELIVERY SYSTEM
- NM6.Sun.P17 *Siti Norasmah Surip*, Sahrim Ahmad*
THERMOPLASTIC NATURAL RUBBER NANOCOMPOSITE: THE EFFECTS OF RUBBER COMPOSITION ON THE
TENSILE AND IMPACT PROPERTIES
- NM6.Sun.P18 *África Yebra-Rodríguez, Pedro Alvarez-Illret, Ana Yebra, Carolina Cardell, Alejandro B. Rodríguez-Navarro**
OPTICAL PROPERTIES OF POLYAMIDE-6/MONTMORILLONITE NANOCOMPOSITES

- NM6.Sun.P19 *Dingsheng Yu**, *Riwei Xu*, *Qiao Chen*
INFLUENCE OF ORGANICALLY MODIFIED MONTMORILLONITE (OMMT) ON THE CURING BEHAVIOR OF BENZOXAZINE MONOMER CONTAINING P-ALLYL GROUP AND THERMAL PROPERTIES OF THE POLYMER THEREFORE
- NM6.Sun.P20 *Siby Varghese**, *Rubber Technology Division*
NATURAL RUBBER NANOCOMPOSITES: PERFORMANCE OF NANOCCLAYS IN LATEX AND DRY MIXING SYSTEMS
- NM6.Sun.P21 *Ernie Suzana Ali**, *Sahrim Hj Ahmad*
BIO-NANOCOMPOSITE HYBRID POLYURETHANE FOAM: COMPRESSION AND THERMAL PROPERTIES
- NM6.Sun.P22 *Andry Rico Razakamanantsoa**, *Gilles Barast*, *Irini Djeran-Maigre*
CHEMICAL CONSIDERATION OF LONG TERM HYDRAULIC CONDUCTIVITY DETERMINATION FOR CLAY-POLYMER TREATED SOIL

Oral Programme NM7

Polymer-clay nanocomposites: preparation techniques and theoretical formulations

Conveners: Kazuko Fujii, Vikas Mittal, Yury Shchipunov

Monday 15 June, 2009

Chairs: Kazuko Fujii & Vikas Mittal

- 08.50 – 09.20 NM7a.Mon.KL1
*In-Joo Chin**, *Sang-Kyun Lim*, *Eun-Pyo Hong*, *Yu-Hyun Song*, *Na-Yeon Kim*
INTERACTION CHARACTERISTICS OF POLYMER NANOHYRIDS WITH POLYHEDRAL OLIGOMERIC SILSESQUOXANE (POSS)
- 09.20 – 09.40 NM7a.Mon.L2
Bassam Tarablsi, *Jocelyne Brendle**, *Christelle Delaite*, *Celine Croutxe-Barghorn*
POLYMER-Fe₂O₃-MONTMORILLONITE NANOCOMPOSITES: PREPARATION, CHARACTERIZATION AND PROPERTIES
- 09.40 – 10.00 NM7a.Mon.L3
*Hendrik Heinz**, *Yao-Tsung Fu*, *Gregory D. Zartman*, *Richard A. Vaia*, *Ramanan Krishnamoortibarry*, *I. Farmer*
STRUCTURE AND CLEAVAGE ENERGY OF SURFACTANT-MODIFIED CLAYS: INFLUENCE OF CEC, HEAD GROUP, AND CHAIN LENGTH
- 10.00 – 10.20 NM7a.Mon.L4
*Kenji Tamura**, *Hirohisa Yamada*, *Shingo Yokoyama*, *Keiji Kurashima*
PREPARATION OF REGULARLY INTERSTRATIFIED LAYERED SILICATE-POLYMER NANOCOMPOSITE
- 10.20 – 10.40 NM7a.Mon.L5
Elshad Abdullayev, *Stefano Loporatti**, *Viviana Vergaro*, *Benedetta Antonazzo*, *Pantaleo Davide*, *Cozzoli Roberto*, *Cingolani Ronald*, *Price Yuri*, *M. Lvov*
HALLOYSITE CLAY TUBES AS BIOCOMPATIBLE NANOCONTAINER FOR SUSTAINED RELEASE OF PROTECTIVE AGENTS

COFFEE BREAK 10.40-11.00

Monday 15 June, 2009

Chairs: Vikas Mittal

- 11.00 – 11.30 NM7b.Mon.L1
*Yoshiaki Fukushima**
DIVERSIFIED NANO-HYBRIDS OF POLYAMIDES PRODUCTION METODS AND STRUCTURE
- 11.30 – 11.50 NM7b.Mon.L2
*Francis Clegg**, *Chris Breen*
MIXED MODIFIER ORGANOCCLAYS - CONTROLLING CLAY DISPERSION IN POLYMERS
- 11.50 – 12.10 NM7b.Mon.L3
*František Kovanda**, *Eva Jindová*, *Zdeňka Sedláková*
LAYERED DOUBLE HYDROXIDES INTERCALATED WITH DERIVATIVES OF ACRYLIC ACID AND THEIR APPLICATION IN PREPARATION OF LDH/POLYMER NANOCOMPOSITES
- 12.10 – 12.30 NM7b.Mon.L4
*Maurice C.D. Mourad**, *Henk N.W. Lekkerkerker*
PREPARATION OF POLYMER-HECTORITE NANOCOMPOSITES USING LIQUID CRYSTALLINE SUSPENSIONS OF ORGANOPHILLIC HECTORITE
- 12.30 – 12.50 NM7b.Mon.L5
*Kazuko Fujii**, *Shigenobu Hayashi*, *Nobuo Iyi*
PHYLLOSILICATE/ORGANIC HYBRIDS WITH COVALENT BONDS BETWEEN INROGANIC AND ORGANIC MOIETIES: VERIFICATION OF STRUCTURES AND PREPARATION OF HETEROGENEOUS SYSTEMS WITH LUMINESCENCE

Poster Programme NM7

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

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

Chairs: Kazuko Fujii & Vikas Mittal

- NM7.Sun.P1 *Carolina Belver, Pilar Aranda*, M. Ángeles Martín-Luengo, Eduardo Ruiz-Hitzk*
SILICA/ALUMINA-CLAY POROUS NANOCOMPOSITES
- NM7.Sun.P2 *Grażyna Simha Martynková*, Sylva Holešová, Marta Valášková*
THE ADVANTAGES OF ORGANOVERMICULITE FILLER FOR NANOCOMPOSITE'S MATRICES
- NM7.Sun.P3 *Tomás S. Plivelic, Suédina M.L. Silva, Zbigniew Rozynek*, Baoxiang Wang, Eduardo N. De Azevedo, Geraldo J. Da silva, Jon Otto Fossum*
STRUCTURAL CHANGES IN POLYMER/CLAY MELTED NANOCOMPOSITES INDUCED BY ELECTRIC FIELDS
- NM7.Sun.P4 *Pedro G. Lins*, Ticiane S. Valera, Caio P.D. Coelho, Nicole R. Demarquett*
PS / ORGANOCCLAYS NANOCOMPOSITES: IMPROVEMENTS IN THE MELT INTERCALATION METHOD
- NM7.Sun.P5 *Antonio C. Vieira-Coelho*, Gisele A. Rocha, Fádía Lima, Valquíria F. J. Kozievitch, Antonio J. Aznar*
STUDY OF THE EXFOLIATION OF A NATURAL MICA AND A NATURAL VERMICULITE BY BRANCHED POLYAMINES HAVING MULTIPLE IONIC SITES
- NM7.Sun.P6 *Baoxiang Wang*, Zbigniew Rozynek, Min Zhou, Jon Otto Fossum*
WIDE ANGLE SCATTERING STUDY OF A CLAY/GELATIN ELECTORRHEOLOGICAL ELASTOMER
- NM7.Sun.P7 *Fernanda Monasterio, Marcos Lopes Dias*, Victor Pita, Eleonora Erdmann, Hugo Destéfánis*
SYNTHESIS OF INTERGALLERY PDMS BY DIFFERENT PATHS FOR MONTMORILLONITE MODIFICATION
- NM7.Sun.P8 *María Celeste Carrera, Marcos Lopes Dias, Victor Pita, Eleonora Erdmann*, Delicia Acosta, Hugo Destéfánis*
POLY (VINYL ALCOHOL)/ MONTMORILLONITE HYBRID MATERIALS PREPARED BY "IN SITU" POLYMERIZATION
- NM7.Sun.P9 *María Antonia Toro*, Eleonora Erdmann, Victor J.R.R. Pita, Marcos Lopes Dias, Y. Hugo Destéfánis*
SYNTHESIS AND CHARACTERIZATION OF MODIFIED MONTMORILLONITE WITH ORGANIC CYCLIC COMPOUNDS
- NM7.Sun.P10 *Tatiana Batista, Carla C. Schmitt, Miguel G. Neumann**
PHOTOPOLYMERIZATION OF STYRENESULFONATE IN THE PRESENCE OF LAPONITE
- NM7.Sun.P11 *Beril Çolak*, Mirey Bonfil, Oya (Galioglu) Atici*
BIODEGRADABLE POLY(VINYLPYRROLIDONE-CO-MALEIC ACID) / CLAY NANOCOMPOSITES: PREPARATION AND CHARACTERIZATION
- NM7.Sun.P12 *Masaaki Tani*, Yoshiaki Fukusima*
ORGANIC-INORGANIC HYBRID PHYLLOSILICATE; SYNTHESIS AND APPLICATION
- NM7.Sun.P13 *Vikas Mittal**
ADVANCED SURFACE FUNCTIONALIZED CLAY
- NM7.Sun.P14 *Yasser El-Nahhal**
ECOLOGICALLY ACCEPTABLE FORMULATION OF BROMOXYNIL
- NM7.Sun.P15 *Yoshikazu Kameshima*, Ya Nakada, Toshihiro Isobe, Akira Nakajima, Kiyoshi Okada*
THE EFFECT OF UV RADIATION ON SODIUM CINNAMATE / LAYERED DOUBLE HYDROXIDE (LDH) COMPOSITES
- NM7.Sun.P16 *J. Pascual-Cosp, C. Jiménez –León*, R. Artiaga, M. Benítez-Guerrero, A. Ramirez Del Valle*
KAOLINITE-MESITILE OXIDE INTERCALATION COMPOUND, SYNTHESIS AND CHARACTERIZATION
- NM7.Sun.P17 *Hongliang Xu*, Meng Wang, Qinfu Liu, Hailong Wang, Kaijun Yang, Rui Zhang, Shaokang Guan*
PREPARATION AND STABILITY OF KAOLINITE - POTASSIUM ACETATE INTERCALATION COMPLEX
- NM7.Sun.P18 *Shuli Ding*, Qinfu Liu, Mingzhen Wang*
A NEW PREPARATION OF NANO-KAOLINITE
- NM7.Sun.P19 *Lili Zhang*, Fujian Lv, Jianquan Liu, Cao Tang, Jichang Zhuang, Xin Wang*
SYNTHESIS OF ATTAPULGITE-SNO₂-TiO₂ NANOCOMPOSITES AND ITS PHOTOCATALYTIC PROPERTY IN DEGRADATION OF METHYL ORANGE
- NM7.Sun.P20 *Serife Sarioglan**
PREPARATION AND CHARACTERIZATION OF CONDUCTIVE POLY(3,4ETHYLENEDIOXYTHIOPHENE)

/MONTMORILLONITE NANOCOMPOSITE

Oral Programme NM8

Self-assembly from Clay Particles: From Nano to Macro

Convener: Jon Otto Fossum

Friday 19 June, 2009

Chair: Jon Otto Fossum

- 08.50 – 09.20 NM8a.Fri.KL1
Eduardo N. De Azevedo, Mario Engelsberg, Jon Otto Fossum, Ricardo E. De Souza*
SELF-ASSEMBLY AND DYNAMICS OF CLAY PLATELETS IN A MAGNETIC FIELD
- 09.20 – 09.40 NM8a.Fri.L2
Isabelle Bihannic, Erwan Paineau, Solange Maddi, Jérôme F.L. Duval, Christophe Baravian, Pierre Levitz, Patrick Davidson*
PHASE TRANSITIONS IN AQUEOUS SUSPENSIONS OF SWELLING CLAYS MINERALS
- 09.40 – 10.00 NM8a.Fri.L3
Nobuyoshi Miyamoto, Hirokazu Iijima, Hirokazu Ohkubo, Daisuke Yamaguchi*
ISOTROPIC-TO-LIQUID CRYSTAL PHASE TRANSITION OF LAYERED CLAY MINERAL COLLOIDS
- 10.00 – 10.20 NM8a.Fri.L4
Erwan Paineau, Krassa Antonova, Ivan Dozov, Patrick Davidson, Laurent Michot, Isabelle Bihannic, Christophe Baravian, Pierre Levitz*
FIELD-INDUCED ORIENTATIONAL ORDER IN AQUEOUS BEIDELLITE SUSPENSIONS
- 10.20 – 10.40 NM8a.Fri.L5
Henrik Hemmen, Nils Ringdal, Eduardo Novais De Azevedo, Elisabeth Lindbo, Hansen Matteus, Håger Yves Méheust, Jon Otto Fossum, Mario Engelsberg, Kenneth D. Knudsen*
ISOTROPIC-NEMATIC INTERFACES IN SUSPENSIONS OF NA-FLUOROHECTORITE SYNTHETIC CLAY – ORDER, ORIENTATION AND MAGNETIC FIELD RESPONSE

COFFEE BREAK 10.40-11.00

Friday 19 June, 2009

Chair: Jon Otto Fossum

- 11.00 – 11.30 NM8b.Fri.L1
*Daniel Bonn**
AVALANCHE BEHAVIOR IN CLAY SUSPENSIONS
- 11.30 – 11.50 NM8b.Fri.L2
*Mokhtar Zabat, Henri Van Damme**
MICROTEXTURE AND MECHANICAL PROPERTIES OF SELF-ASSEMBLED SMECTITE FILMS
- 11.50 – 12.10 NM8b.Fri.L3
Maurice C.D. Mourad, Dmytro V. Byelov, Andrei V. Petukhov, Henk N.W. Lekkerkerker*
GELATION/GLASS FORMATION VERSUS LIQUID CRYSTAL PHASE TRANSITIONS IN SUSPENSIONS OF CHARGED COLLOIDAL PLATELETS
- 12.10 – 12.30 NM8b.Fri.L4
A.A. Verhoeff, H.H. Wensink, G. Jackson, H.N.W. Lekkerkerker*
LIQUID CRYSTAL PHASE TRANSITIONS IN A SYSTEM OF COLLOIDAL PLATELETS WITH A BIMODAL ASPECT RATIO
- 12.30 – 12.50 NM8b.Fri.L5
Elisabeth Lindbo Hansen, Nils Ivar Ringdal, Bård Martin Kjelling, Henrik Hemmen, Jon Otto Fossum, Eduardo Novais De Azevedo, Mario Engelsberg, Yves Méheust, Chan Kim, Shashidhara Marathe, In Wha Cho, Do Young Noh*
HIGHLY ORDERED NEMATIC PHASES AND EMERGING POSITIONAL ORDERING IN AQUEOUS DISPERSIONS OF SODIUM-FLUOROHECTORITE

LUNCH 12.50-14.20

Friday 19 June, 2009

Chair: Jon Otto Fossum

- 14.30 – 15.00 NM8c.Fri.L1
*Fei Fei Fang, Ying Dan Liu, Hyoung Jin Choi**
PHASE TRANSITION OF CONDUCTING POLYMER/CLAY NANOCOMPOSITE SUSPENSIONS UNDER ELECTRIC FIELD
- 15.00 – 15.20 NM8c.Fri.L2
Erwan Paineau, Laurent J. Michot, Isabelle Bihannic, Solange Maddi, Christophe Baravian, Patrick Davidson, Pierre Levitz*
LIQUID CRYSTAL PHASES IN AQUEOUS SUSPENSIONS OF NATURAL BEIDELLITE
- 15.20 – 15.40 NM8c.Fri.L3
Zbigniew Rozynek, Baoxiang Wang, Min Zhou, Jon Otto Fossum*
DYNAMIC COLUMN FORMATION OF NA-FLHC CLAY PARTICLES: WIDE ANGLE X-RAY SCATTERING AND RHEOLOGICAL STUDIES

Poster Programme NM8

Posting: Wednesday 17 June, 20.30-22.30. **Removal:** Friday 19 June.

Attendance Time: Thursday 18 June, 18:30–20:00

Chair: Jon Otto Fossum

- NM8.Thu.P1 *Yoshiyuki Kuroda**, *Kohta Fukumoto*, *Takashi Ogawa*, *Kazuyuki Kuroda*
ELECTROSTATIC ASSEMBLY OF IMOGOLITE WITH POLY(SODIUM STYRENESULFONATE) OR CARBOXYLATE-MODIFIED GOLD NANOPARTICLES
- NM8.Thu.P2 *Virginia Martínez**, *Iñigo López Arbeloa*, *T. Arbeloa*, *Fernando López Arbeloa*
STUDY OF THE MICROHETEROGENEITY OF ADSORBED DYES INTO SINGLE CLAY PARTICLES BY CONFOCAL FLUORESCENCE MICROSCOPY
- NM8.Thu.P3 *Davi De Miranda Fonseca*, *Yves Méheust*, *Jon Otto Fossum**, *Kenneth Dah IKnudsen*
PHASE DIAGRAM OF POLYDISPERSE NA-FLUOROHECTORITE--WATER SUSPENSIONS: A SYNCHROTRON SMALL-ANGLE X-RAY SCATTERING STUDY
- NM8.Thu.P4 *Baoxiang Wang**, *Zbigniew Rozynek*, *Henrik Hemmen*, *Elisabeth Lindbo Hansen*, *Jon Otto Fossum*
ELECTORHEOLOGICAL BEHAVIOUR OF NEMATICALLY PHASE SEPARATED NA-FLUOROHECTORI