

Oral Programme CE1

Clays in Archaeology & Cultural Heritage

Conveners: Bruno Fabbri, Marino Maggetti

Sunday 14 June, 2009

Chair: Bruno Fabbri

- 11.00 – 11.30 CE1a.Sun.KL1
*M. José Trindade**, *M. Isabel Dia*, *João Coroado*, *Fernando Rocha*
THE EFFECT OF CARBONATE CONTENT OF CERAMICS RAW MATERIALS IN THE TEMPERATURE OF BROMINE VOLATILIZATION
- 11.30 – 11.50 CE1a.Sun.L2
Cinzia Caseri, *Camilla Terenzi**, *Francesco Deluca*
TWO-DIMENSIONAL NMR CORRELATION OF LONGITUDINAL AND TRANSVERSE RELAXATION TIMES IN ANCIENT CERAMICS
- 11.50 – 12.10 CE1a.Sun.L3
*Marino Maggetti**, *Christoph Neururer*
TEMPERATURE EVOLUTION INSIDE A POT DURING OPEN FIRING
- 12.10 – 12.30 CE1a.Sun.L4
*Federica Presciutti**, *Noemi Proietti*, *Donatella Capitani*, *Brunetto G. Brunetti*, *Antonio Sgamellotti*
MULTI-TECHNIQUE APPROACH FOR THE CHARACTERISATION OF STRUCTURAL CHANGES OCCURRING IN CLAY FIRING PROCESSES
- 12.30 – 12.50 CE1a.Sun.L5
*Corina Ionescu**, *Volker Hoeck*
ELECTRON MICROPROBE ANALYSES ON ANCIENT CERAMICS. CASE STUDIES FROM ROMANIA

LUNCH 12.50-14.20

Sunday 14 June, 2009

Chair: Marino Maggetti

- 14.30 – 15.00 CE1b.Sun.L1
*Jacek Michniewicz**, *Rachel Bar-Nathan*
SOUTH ITALIAN PROVENANCE OF ROMAN AMPHORAE SHIPPED TO THE HERODIAN KINGDOM IN THE LIGHT OF PETROGRAPHIC AND CHEMICAL INVESTIGATIONS
- 15.00 – 15.20 CE1b.Sun.L2
*Cesare Fiori**, *Daniele Vitali*, *Erica Camurri*, *Bruno Fabbri*, *Sabrina Gualtieri*
ARCHAOMETRICAL STUDY OF CELTIC CERAMICS FROM MONTE BIBELE (BOLOGNA)
- 15.20 – 15.40 CE1b.Sun.L3
*Giacomo Eramo**, *Italo M. Muntoni*, *Giuseppe De Benedetto*, *Rocco Laviano*
PROVENANCE OF CALCITE TEMPERED "SERRA D'ALTO" COARSE WARE IN SOUTH EASTERN ITALY: PRELIMINARY RESULTS
- 15.40 – 16.00 CE1b.Sun.L4
*Krit Won-In**, *Pisutti Dararutana*, *Sorapong Pongkrapan*, *Pornsawat Wathanakul*
CHARACTERISTICS OF CLAY IN ANCIENT POTTERIES FROM WIANGKALONG KILN SITE, NORTHERN THAILAND
- 16.00 – 16.20 CE1b.Sun.L5
Andrea Cardarelli, *Valentina Cannavò*, *Sara T Levi**, *Stefano Lugli*, *Simona Marchetti Dori*, *Giovanna Vezzalini*
BRONZE AGE RAW MATERIALS: AN ANALYTICAL AND EXPERIMENTAL APPROACH

COFFEE BREAK 16.20-16.40

Sunday 14 June, 2009

Chairs: Bruno Fabbri & Marino Maggetti

- 16.40 – 17.10 CE1c.Sun.L1
Luisa Rovero, *Ugo Tonietti*, *Elena Pecchioni*, *Fabio Fratini**
THE EARTH IN THE ARCHITECTURE OF THE HISTORICAL CENTRE OF LAMEZIA TERME
- 17.10 – 17.30 CE1c.Sun.L2

Snezana Petrovic, Jonjava Ranogajec, Miroslava Radeka*
ROLE OF SALT CRYSTALLIZATION IN WEATHERING PROCESS OF ANCIENT BRICKS

17.30 – 17.50

CE1c.Sun.L3
Giuseppe Montana, Anna Maria Polito, Ettore Azzaro*
CLAYEY MATERIALS USED FOR CERAMIC MANUFACTURE IN ANCIENT SICILY

Poster Programme CE1

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

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

Chairs: Bruno Fabbri & Marino Maggetti

- CE1.Sun.P1 *Jorge A. Bravo**, *Yezeña Huaypar*, *Mirian E. Mejia*, *Maria I. Cerón*
STUDY OF NASCA (PERU) POTTERY BY MÖSSBAUER SPECTROSCOPY AND X RAY DIFFRACTOMETRY
- CE1.Sun.P2 *Angela Calia**, *Mariateresa Lettieri*, *Giovanni Quarta*
CULTURAL HERITAGE STUDY: MICRODSTRUCTIVE TECHNIQUE FOR DETECTION OF CLAY MINERALS ON THE SURFACE OF HISTORIC BUILDINGS
- CE1.Sun.P3 *Emma Cantisani**, *Marco Cavalieri*, *Antonia Fumo*, *Carlo Alberto Garzonio*, *Elena Pecchioni*, *Marilena Ricci**
ARCHAEOLOGICAL STUDIES OF ANCIENT CERAMICS FROM THE ROMAN VILLA OF AIANO-TORRACCIA DI CHIUSI (SIENA, ITALIA)
- CE1.Sun.P4 *Estel Colas**, *Jean-Didier Mertz*, *Celine Thomachot*, *Vincent Barbin*
ASSESSMENT OF COMPATIBLE SANDSTONE FOR THE RESTORATION OF STRASBOURG'S CATHEDRAL
- CE1.Sun.P5 *Anna Maria De Francesco**, *Eliana Andaloro*, *Jan K. Jacobse*, *Carmelo Colelli*
ARCHAEOLOGICAL STUDY OF ANCIENT POTTERY FABRICS FROM THE ARCHAEOLOGICAL SITE OF TIMPONE DELLA MOTTA – FRANCAVILLA MARITTIMA (CS) – CALABRY – SOUTHERN ITALY
- CE1.Sun.P6 *Beatrice De Rosa**, *Josepa Capel Martinez*
THE COOKING POOTS FROM SANT'IMBEBNIA,(ALGHERO-SASSARI): TECHNOLOGICAL AND PRODUCTION ASPECTS
- CE1.Sun.P7 *Stefano Gambini**, *Antonio Pizzonia*, *Massimo Setti*, *Fernando Veniale*
ARTGIS: A GIS TOOL TO QUANTIFY THE ARCHITECTURAL DETERIORATIONS OF THE CIMITERO MAGGIORE IN PAVIA, ITALY
- CE1.Sun.P8 *Lorena Carla Giannossa**, *Annarosa Mangone*, *Maria Cristina Caggiani*, *Giuseppe Colafermina*, *Rocco Laviano*, *Angela Traini*
OVERPAINTING DECORATIONS ON APULIAN RED FIGURED POTTERY. SPECTROSCOPIC INVESTIGATIONS TO DEFINE RAW MATERIALS AND TECHNOLOGICAL PROCESSES
- CE1.Sun.P9 *Azzouz Hend**, *Alouani Rabeh*, *Tlig Saïd*
COMPARISON BETWEEN HISTORICAL AND INDUSTRIAL CERAMIC TILES: MELLILITE, ANORTHITE, DIOPSIDE AND WOLLASTONITE ASSOCIATION AND EQUILIBRIUM IN THE SYSTEM CaO-Al₂O₃-SiO₂
- CE1.Sun.P10 *Fatma Madkour**
CLASSIFICATION OF CLAYS USED IN MANUFACTURE OF ANCIENT CERAMIC TILES IN CAIRO, EGYPT
- CE1.Sun.P11 *Fatma Madkour**, *Giuseppe Cultrone*, *Eduardo Sebastian*
USE OF CONSOLIDANTS TO EVALUATE THE BEHAVIOUR OF NEW RESTORATION CERAMICS
- CE1.Sun.P12 *Eduardo Molina**, *Giuseppe Cultrone*, *Eduardo Sebastián*
IBERIAN CERAMIC PRODUCTION FROM BASTI (BAZA, SPAIN): PETROGRAPHIC AND GEOCHEMICAL CHARACTERIZATION
- CE1.Sun.P13 *Hossein Moradi**, *Mohamad Rahimi*
THE SOIL OF SHARE-E SOKHTA AND ITS CONNECTION TO THE COLORS OF THE SHARE-E SOKHTA BUFF WARE'S CLAY
- CE1.Sun.P14 *Bert Neyt**, *Patrick Degryse*, *Jan Elsen*
PROVENANCE OF REGIONAL CERAMICS IN PISIDIA (SW-TURKEY)
- CE1.Sun.P15 *Ainhoa Alonso Olazabal**, *M^a Cruz Zuluaga*, *Luis Angel Ortega*, *Ana Martinez Salcedo*, *Milagros Esteban*
ARCHAEOLOGICAL STUDY OF COMMON ROMAN POTTERY FROM FORUA AND PEÑA FORUA SITES (BASQUE COUNTRY, NORTH SPAIN)
- CE1.Sun.P16 *Jm. Vallet**, *O. Grauby*, *P. Bromblet*, *JJ. Cochemé*, *F. Suméra*, *A. Lantéri- minet*
RED COLOURED MATERIALS OF THE NEOLITHIC ENGRAVINGS ON THE FRENCH "MONT BÉGO" SITES
- CE1.Sun.P17 *Inez Van Der Werf*, *Annarosa Mangone*, *Lorena Carla Giannossa**, *Giacomo Eramo*, *Rocco Laviano*, *Angela Traini*, *Luigia Sabbatini*
ARCHAEOLOGICAL INVESTIGATION OF ROMAN TESSERAE FROM HERCULANEUM (ITALY)
- CE1.Sun.P18 *Gursel Yanik**, *Rustem Bozer*, *Muharem Ceken*, *Fahri Esenli*, *Hasan Gocmez*
THE CHARACTERIZATION OF ANCIENT CERAMICS FROM EĞİRDİR KHAN (HAN) (TURKEY)

- CE1.Sun.P19 *M^a Cruz Zuluaga**, *Ainhoa Alonso Olazabal*, *Luis Angel Ortega*, *Maite Insausti*
EXPERIMENTAL RUNS OF CALCITE-TEMPERED CLAYS: FIRING FEATURES OF ARCHAEOLOGICAL POTTERY
- CE1.Sun.P20 *F. Veniale*, *M. Setti**, *S. Lodola*
ROLE OF CLAY CONSTITUENTS IN STONE DECAY PROCESSES

Oral Programme CE3

Clays in Traditional Ceramic Industry

Conveners: Fernanda Andreola, Tiziano Manfredini

Wednesday 17 June, 2009

Chairs: Fernanda Andreola & Tiziano Manfredini

- 08.50 – 09.20 CE3a.Wed.KL1
*José M.F. Ferreira**, *Paula Torres*, *Hugo R. Fernandes*
THE ROLE OF CLAYEY MATERIALS IN CERAMIC INDUSTRY: HOW TO USE THEM AS MINOR COMPONENTS IN OLD AND NEW PRODUCTS FOR DIFFERENT APPLICATIONS?
- 09.20 – 09.40 CE3a.Wed.L2
*Chiara Zanelli**, *Michele Dondi*, *Mariarosa Raimondo*, *Guia Guarini*, *Claudio Iglesias*, *Eduardo Dominguez*, *Ricardo Echeverry*
UKRAINIAN BALL CLAYS: MINERALOGICAL CHARACTERIZATION AS A KEY TO EXPLAIN THEIR OUTSTANDING TECHNOLOGICAL PROPERTIES
- 09.40 – 10.00 CE3a.Wed.L3
*Lineo Aparecido Gaspar Junior**, *Angélica Forte Drummond Chicarino Varajão*, *Maria Margarita Torres Moreno*
CHEMICAL, MINERALOGICAL AND TECHNOLOGICAL ANALYSIS OF THE REGOLITHIC CLAY COVERS FROM THE REGION OF ALFENAS, MINAS GERAIS, BRAZIL, AIMING TO EVALUATE ITS USE IN THE CERAMIC INDUSTRY
- 10.00 – 10.20 CE3a.Wed.L4
*Alexandre Sevagen**
IMERYS: THE RIGHT CLAY FOR EVERY APPLICATION
- 10.20 – 10.40 CE3a.Wed.L5
Sam Leese, *Kevin Young**
OPTIMISED LOCAL SOLUTIONS FOR CERAMIC WHITE-WARES FORMULATIONS; THE ADVANCED CHARACTERISATION AND DESIGN OF CLAY BLENDS

COFFEE BREAK 10.40-11.00

Wednesday 17 June, 2009

Chairs: Fernanda Andreola & Tiziano Manfredini

- 11.00 – 11.30 CE3b.Wed.L1
Hugo R. Fernandes, *Paula M. Torres*, *José M.F. Ferreira**
EFFECTS OF PROCESSING ADDITIVES ON CURRENT PLASTIC FORMING TECHNIQUES OF TRADITIONAL CERAMIC PRODUCTS
- 11.30 – 11.50 CE3b.Wed.L2
*Marcello Romagnoli**
APPLICATION OF MIXTURE DESIGN ON THE EFFECT OF CLAY CONCENTRATION IN TILE CERAMIC BODY COMPOSITION
- 11.50 – 12.10 CE3b.Wed.L3
M. Romero, *J. Martín-Márquez*, *J. MA. Rincón**
EFFECT OF SINTERING ON THE PHASE FORMATION AND MICROSTRUCTURE OF KAOLINITE PORCELAIN STONEWARE TILES
- 12.10 – 12.30 CE3b.Wed.L4
*Muge Tuna**, *Ferhat Kara*, *Figen Aydin Egri*
THE RELATIONSHIP BETWEEN COMPOSITION-SINTERING BEHAVIOUR OF PORCELAIN STONEWARE TILE
- 12.30 – 12.50 CE3b.Wed.L5
*Wanna T. Saengchantara**, *Pranee Junlar*
CERAMIC COOKWARE

Poster Programme CE3

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: Fernanda Andreola & Tiziano Manfredini

- CE3.Tue.P1 *José Francisco Marciano Motta*, José Carlos Da Silva Portela, Carolina Del Roveri, Maria Margarita Torres, Moreno Antenor Zanardo*
BRAZILIAN PLASTIC CLAYS FOR PORCELAIN STONE AND OTHER TRADITIONAL WHITEWARE CERAMICS
- CE3.Tue.P2 *G. Sedmale*, G. Stinkulis, I. Sperberga, U. Sedmalis*
CHARACTERISTICS OF ILLITE CLAYS AND THEIR USE FOR HIGH-TEMPERATURE CERAMICS
- CE3.Tue.P3 *Meriam El Ouahabi*, Nathalie Fagel*
CHARACTERIZATION OF CLAY CRETACEOUS AND PLIOCENE OF THE TANGIER-TETOUAN (NORTH-WEST OF MOROCCO) AND MIOCENE CLAY IN THE REGION OF MEKNES (CENTER-NORTHERN MOROCCO) FOR THEIR INDUSTRIAL APPLICATION
- CE3.Tue.P4 *A. Njoya*, D. Bastin, U.C. Melo, C. Nkoumbou, N. Flagel, E. Pirard, F. Martin*
ENVIRONMENTAL ASPECTS OF CLAY EXPLOITATION FOR FIRED CLAY BRICKS IN CAMEROON
- CE3.Tue.P5 *A. Oliveira, Fernando Rocha**
IMPORTANCE OF THE TYPOLOGIC COLUMN FOR THE EXPLORATION AND EXPLOITATION OF CLAYEY RAW MATERIALS – A CASE STUDY FROM PORTUGAL
- CE3.Tue.P6 *Burcu Erdoğan Alver*, Meryem Sakizci, Ertuğrul Yörükoğullari*
INVESTIGATION OF KAOLINITES FROM TURKEY: A COMBINED XRD, XRF, TGA/DTA, DSC STUDY
- CE3.Tue.P7 *Ljubica Pavlović*, Anja Terzić*
INVESTIGATION OF TIME DEPENDENCE OF MOISTURE HOMOGENIZATION IN CLAY-WATER SYSTEM
- CE3.Tue.P8 *Vasić Miloš*, Radojević Zagorka, Janačković Đorđe, Rosić Aleksandra*
MECHANICAL ACTIVATION OF CLAYS AND ITS INFLUENCE ON PROCESS OF DRYING AND FINAL PROPERTIES OF MASONRY UNITS
- CE3.Tue.P9 *Abd Elhamid Shater*, Sayed Sadik, Yasser Refaey, Abd Elaziz Haddad, Albert Gilg*
MINERALOGICAL AND GEOTECHNICAL STUDIES ON THE WEATHERED ZONES OF THE BASEMENT ROCKS OF ASWAN AREA, EGYPT
- CE3.Tue.P10 *Bektaş Uz, Gürkan Bacak*, Senel Ozdamar*
MINERALOGICAL, PHYSICAL PROPERTIES AND UTILIZATION OF DOMALI AREA (SILE -NW TURKEY) UNDERCLAYS
- CE3.Tue.P11 *Anwarul Haq*, Yaseen Iqbal, Muhammad Riaz Khan*
PHASE AND MICROSTRUCTURAL EVOLUTION OF SWAT AND IMPORTED CHINA CLAY
- CE3.Tue.P12 *Oladele Osibanjo, Gilbert Adie*, Sunday Ajayi, Idowu Iweibo, Domingo Okorie, Toyin Okorie*
RECYCLING OF HIGH LEAD CONTENT SLAG FROM AN AUTOMOBILE BATTERY MANUFACTURING PLANT INTO BRICKS AND CERAMIC TILES IN NIGERIA
- CE3.Tue.P13 *Michele Dondi*, Guia Guarini, Mariarosa Raimondo, Chiara Zanelli, Antonio Agostini*
RECYCLING OF TIONITE® (INSOLUBLE RESIDUE FROM TITANIA SLAG DISSOLUTION) IN CLAY BRICKS
- CE3.Tue.P14 *Habib Allah Torshizian*, Hossein Abbassnia, Mohsen Allameh, Ehsan Sharifi*
STUDING OF INDUSTRIAL SOIL PROPERTIES IN NORTHEAST OF IRAN IN ORDER TO USING IN CERAMIC INDUSTRIALS
- CE3.Tue.P15 *Sergi Meseguer*, Manuel M. Jordán, Teófilo Sanfeliu, Carlos De La Fuente*
TECHNOLOGICAL APPLICATION OF CLAYS USED IN CASTELLON CERAMIC CLUSTER (NE, SPAIN)
- CE3.Tue.P16 *Maria Luigia Giannossi*, Vito Summa*
THE BASILICATA CLAY DEPOSITS (SOUTHERN ITALY) AS CERAMIC RAW MATERIALS
- CE3.Tue.P17 *Gursel Yanik*, Fahri Esenli, Veli Uz, Vildan Esenli, Bektaş Uz*
THE CERAMIC PROPERTIES OF KAOLINIZED TUFFACEOUS ROCKS IN THE KESAN REGION, THRACE, NW TURKEY
- CE3.Tue.P18 *Adelia Albertazzi**
THE EVALUATION OF UNCERTAINTY IN CHEMICAL ANALYSIS
- CE3.Tue.P19 *Fatima Zibouche*, Hacène Kerdjoudj*
THERMAL BEHAVIOUR OF KAOLIN FROM TAMAZERT (ALGERIA) DEPOSIT
- CE3.Tue.P20 *Hakan Kiran*, Ferhat Kara*
USAGE OF IRON OXIDE BEARING CLAYS IN PORCELAIN TILE BODIES

CE3.Tue.P21

Sansanee Boonsalee, Tarnkamol Tarvornpanich, Lada Punsukumtana*

USE OF GRANITE SLUDGE AND SEWER CLAY SLUDGE IN LATERATIC SOIL IN THE PRODUCTION OF CERAMIC TILES

CE3.Tue.P22

Fernanda Andreola, Cristina Siligardi, Tiziano Manfredini, Claudia Carbonchi*

VALORIZATION OF ITALIAN CLAY ADDED BENTONITES FOR TRADITIONAL CERAMIC TILES

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

Oral Programme CE5

Desiccation and Fracture in Clay

Convener: Sujata Tarafdar

Thursday 18 June, 2009

Chair: Sujata Tarafdar

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| 16.40 – 17.10 | CE5.Thu.KL1
<i>Akio Nakahara*</i> , <i>Atsunari Katsuki</i> , <i>Yousuke Matsuo</i>
MEMORY OF CLAY PASTE AND ITS APPLICATION TO CONTROL CRACK PATTERN |
| 17.10 – 17.30 | CE5.Thu.L2
<i>So Kitsunozaki*</i>
CRACK PROPAGATION IN A THIN LAYER OF DRYING PASTE |
| 17.30 – 17.50 | CE5.Thu.L3
<i>Suparna Sinha</i> , <i>Sujata Tarafdar*</i>
CRACK PATTERNS IN DESICCATING LAPONITE – PEO COMPOSITES |
| 17.50 – 18.10 | CE5.Thu.L4
<i>Henrik Hemmen*</i> , <i>Eduardo Novais De Azevedo</i> , <i>Christian A. Nielsen</i> , <i>Knut Magnus Ricardo E. De Souza</i> , <i>Mario Engelsberg</i> , <i>Jon Otto Fossum</i>
ROUGHNESS OF FRACTURES IN LAPONITE GELS DETERMINED FROM MAGNETIC RESONANCE IMAGING |
| 18.10 – 18.30 | CE5.Thu.L5
<i>Moshine Ben Ohoud</i> , <i>Henri Van Damme*</i>
THE CATION-DEPENDENCE OF THE DESSICATION CRACKING PATTERNS OF SMECTITE PASTES |

Oral Programme CE6

Hetero-Modulus Ceramics for Technical Application

Convener: Igor L. Shabalin

Monday 15 June, 2009

Chairs: Vasily Lutsyk & Igor L. Shabalin

- 08.50 – 09.20 CE6a.Mon.KL1
*Anatoly Lanin**
EFFECT OF STRUCTURAL PARAMETERS ON STRENGTH AND THERMAL STRESS RESISTANCE OF HETERO-MODULUS CERAMIC COMPOSITES
- 09.20 – 09.40 CE6a.Mon.L2
*Li Zhuan, Xiao Peng, Xiong Xiang**
THE MORPHOLOGY AND FORMATION MECHANISM OF SIC IN 3-DIMENSIONAL NEEDED C/C-SIC BRAKING COMPOSITES
- 09.40 – 10.00 CE6a.Mon.L3
*George Gnesin**
HETERO-MODULUS MATERIALS IN SIC- SI - C SYSTEM
- 10.00 – 10.20 CE6a.Mon.L4
*Daniel Roach, Igor Shabalin**
RIDGE-EFFECT OXIDATION BEHAVIOUR OF TITANIUM CARBIDE BASED HETERO-MODULUS CERAMICS WITH DIFFERENT GRAPHITE CONTENT
- 10.20 – 10.40 CE6a.Mon.L5
Yu Wang, Igor Shabalin*
MATERIALS OPTIMUM DESIGN OF HOT-PRESSED CARBIDE-GRAPHITE HETERO-MODULUS CERAMICS

COFFEE BREAK 10.40-11.00

Monday 15 June, 2009

Chairs: Igor L. Shabalin

- 11.00 – 11.30 CE6b.Mon.L1
*Konstantin Smirnov**
COMBUSTION SYNTHESIS OF SIALON–BN HETERO-MODULUS CERAMIC COMPOSITES
- 11.30 – 11.50 CE6b.Mon.L2
L.L. Sartinska, A.A. Frolov, V.I. Tin'kov*
SYNTHESIS OF FIBROUS PHASE OF BORON NITRIDE FOR HETERO-MODULUS CERAMICS
- 11.50 – 12.10 CE6b.Mon.L3
*Domenti Gabunia, Archil Gachechiladze, Archil Mikeladze, Otar Tsagareishvili, Levan Chkhartishvili**
OBTAINING OPPORTUNITIES OF BORON CARBIDE POWDERS BASED HETERO-MODULUS CERAMICS
- 12.10 – 12.30 CE6b.Mon.L4
Laszlo A. Gömze, Liudmila N. Gömze*
CORUNDUM MATRIX COMPOSITES WITH HETERO-MODULUS NANO-PARTICLES WITH HIGH THERMAL SHOCK RESISTANCE
- 12.30 – 12.50 CE6b.Mon.L5
*Vasily Lutsyk**
HETEROGENEOUS DESIGN IN CERAMIC SYSTEMS

Poster Programme CE6

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: Igor L. Shabalin

- CE6.Tue.P1 *Oleksandr Fedoryshyn**
STRESS FLUCTUATIONS IN THE TWO-PHASE COMPOSITE MATERIAL IN A CORRELATION APPROACH
- CE6.Tue.P2 *A. Biedunkiewicz*, U. Gabriel, P. Figiel, R. Jędrzejewski*
CARBONIZATION AND PURIFICATION OF $n\text{-TiC}_x$ IN CARBON MATRIX IN ARGON. ANALYSIS BY KINETIC METHOD
- CE6.Tue.P3 *Otar Okrostsvardze*, Giorgi Tavadze, David Dzneladze, David Gventsadze*
HETERO-MODULUS COMPOSITES: SHS-POWDERS – METAL PHOSPHATES
- CE6.Tue.P4 *Nina Mofa*, Tatyana Shabanova, Zulkhair Mansurov*
SHS-CERAMIC COMPOSITES WITH DIFFERENT STRUCTURE, PHASE COMPOSITION AND FUNCTION
- CE6.Tue.P5 *Almagul Isanbekova, Aleksandr Mukasyan, Igor Vongai, Sestager Aknazarov**
SYNTHESIS OF NANOSTRUCTURAL CERAMIC COMPOSITIONS
- CE6.Tue.P6 *Valeriy Zhdanov, Igor Shabalin**
PROPERTY-COMPOSITION CORRELATIONS OF MODIFIED SIALON – BORON NITRIDE HETERO-MODULUS CERAMICS
- CE6.Tue.P7 *Viktor Orosz*, László A. Gömze*
EFFECTS OF ZIRCONIA AND SILICON CARBIDE ADDITIVES ON MECHANICAL PROPERTIES OF ALUMINA
- CE6.Tue.P8 *Ahmed Aqrabi*, Mazin Tamar-Agha, Mohammad Essam Al-Hassan*
ASSESSMENT OF SERPENTINITES FROM NORTHEASTERN IRAQ FOR CERAMICS
- CE6.Tue.P9 *Myron Luchka*, Lina Sartinskaya, Ganna Pokryshko, Vasyl Labunets, Igor Shabali*
POWDER-ELECTROPLATED METAL-CERAMIC/CERAMIC COATINGS WITH NANOSTRUCTURED CARBON, BORON AND BORON NITRIDE REINFORCEMENT

Oral Programme CE7

Modified Clays & New Applications

Conveners: Barbora Dousova, Raghavan Pattathil

Friday 19 June, 2009

Chairs: Barbora Dousova & Raghavan Pattathil

- 08.50 – 09.20 CE7a.Fri.KL1
Tiziano Manfredini, Monia Montorsi, Guido Ori, Cristina Siligardi*
CATION EXCHANGED SMECTITES: PREPARATION AND CHARACTERIZATION
- 09.20 – 09.40 CE7a.Fri.L2
*S.B.S. Ramesh, Jai Prakash, Y.S. Bhat**
ENHANCING BRONSTED ACID SITE ACTIVITY OF ION EXCHANGED MONTMORILLONITE BY MICROWAVE IRRDIATION FOR ESTER SYNTHESIS
- 09.40 – 10.00 CE7a.Fri.L3
Areeporn Ontam, Nithima Khaorapapong, Makoto Ogawa*
PREPARATION OF CADMIUN SELENIDE-ORGANOMONTMORILLONITE HYBRIDS
- 10.00 – 10.20 CE7a.Fri.L4
Semy Ben Chaabene, Latifa Bergaoui, Abdelhamid Ghorbel, Raquel Trujillano Hernández, Miguel Ángel Vicente Rodríguez*
NATURAL SMECTITES DELAMINATION BY MECHANICAL GRINDING
- 10.20 – 10.40 CE7a.Fri.L5
Nithima Khaorapapong, Patcharaporn Pimchan, Makoto Ogawa*
SOLID-STATE INTERCALATION OF MIXED LIGANDS IN ZN(II)-MONTMORILLONITE

COFFEE BREAK 10.40-11.00

Friday 19 June, 2009

Chairs: Raghavan Pattathil

- 11.00 – 11.30 CE7b.Fri.L1
Barbora Doušová, Lenka Herzogová, Lucie Fuitová, Tomáš Grygar, Vladimír Machovič, David Koloušek, Miloslav Lhotka*
Fe/Al/Mn MODIFICATION OF ALUMINOSILICATES: MECHANISM AND KINETICS OF SURFACE PROCESSES
- 11.30 – 11.50 CE7b.Fri.L2
Yoshikazu Kameshima, Akira Nakajima, Kiyoshi Okada, Tatsuya Yajima*
THE EFFECT OF TITANIA/SILICA RATIO ON SOLID ACIDITY OF TITANIA-SILICA SOL PILLARED CLAY
- 11.50 – 12.10 CE7b.Fri.L3
Carolina Pazos, María D. Alba, Miguel A. Castro, Maria M. Orta, Esperanza Pavón*
NA-4-MICA MODIFIED BY ALKYL-AMMONIUM IONS
- 12.10 – 12.30 CE7b.Fri.L4
*Alexander Baumgartner, Friedrich E. Wagner, Markus Herling, Josef Brey**
OXIDATIVE PILLARING OF THE SYNTHETIC MICA FERROUS TAINIOLITE
- 12.30 – 12.50 CE7b.Fri.L5
Valera Ticiane Sanches, Lins Pedro Garcia, Demarquette Nicole Raymonde, Santos Amilton Martins, Chenal Jean-Marc*
ORGANIC MODIFICATION OF A BRAZILIAN SMECTITE CLAY

LUNCH 12.50-14.20

Friday 19 June, 2009

Chairs: Barbora Dousova & Raghavan Pattathil

- 14.30 – 15.00 CE7c.Fri.L1
Baoxiang Wang, Zbigniew Rozynek, Min Zhou, Jon Otto Fossum*
WIDE ANGLE X-RAY SCATTERING STUDIES OF GUIDED ASSEMBLED ORGANOCLAY ELECTORRHEOLOGICAL SUSPENSIONS
- 15.00 – 15.20 CE7c.Fri.L2
*Elodie Prud'homme, Philippe Michaud, Emmanuel Joussein, Sylvie Rossignol**
INORGANIC FOAMS PREPARED FROM VARIOUS CLAYS IN SITU. TEXTURAL PROPERTIES

15.20 – 15.40

CE7c.Fri.L3

Bruno Fabbri, Sabrina Gualtieri, Michele Macchiarola, Samantha Fabbri, Valentina Medri*
USE OF KAOLIN IN PREPARATION OF GEOPOLYMERS

15.40 – 16.00

CE7c.Fri.L4

*Leila Karimi, Amin Salem**

KINETIC MODEL FOR CATION EXCHANGE CAPACITY OF BENTONITE VIA ACTIVATION BY SODIUM CARBONATE

Poster Programme CE7

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

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

Chairs: Barbora Dousova & Raghavan Pattathil

- CE7.Thu.P1 *Gabriela Amaya, Karim Sapag**
SYNTHESIS AND CHARACTERIZATION OF IRON AND COBALT CATALYST BASED ON A NATURAL CLAY
- CE7.Thu.P2 *Jihene Arfaoui*, Lilia Khalfallah Boudali, Abdelhami Ghorbel*
CATALYTIC EPOXIDATION OF ALLYLIC ALCOHOL (E)-2-HEXEN-1-OL OVER VANADIUM SUPPORTED ON SULFATED TITANIUM PILLARED CLAY CATALYSTS: EFFECT OF VANADIUM LOADING
- CE7.Thu.P3 *Suna Balci*, Başak İşiksoy*
SYNTHESIS AND CHARACTERIZATION OF IRON-PILLARED CLAY
- CE7.Thu.P4 *Deicy Barrera*, Eugenia Roca Jalil, Jhonny Villarroel, Karim Sapag*
NANOPOROUS MATERIALS OBTAINED FROM BENTONITES BY THE INTERCALATION OF Si AND Fe OLIGOCATIONS
- CE7.Thu.P5 *Jilali Bentama**
THE NATURAL CLAY OF FEZ (MAROCCO) USED AS A MATERIAL FOR HIGH TECHNOLOGY: MEMBRANE FOR SEPARATION, ACOUSTIC PURPOSE, NANOCOMPOSITE
- CE7.Thu.P6 *Guimarães Angela De Mello Ferreira*, Virgínia Sampaio Teixeira, Vasconcelos Wander Luiz*
ORGANICALLY MODIFIED LAYERED CLAYS OBTAINED BY GRAFTING OF AMINO-MERCAPTO SILANE COUPLING AGENT
- CE7.Thu.P7 *Barbora Doušová*, Tomáš Grygar, Vladimír Machovič, Lucie Fuitová, Lenka Herzogová, Miloslav Lhotka*
ARSENIC (III) REMOVAL FROM ANOXIC GROUNDWATER WITH USE OF CLAYS: EFFECT OF "IN SITU" PROCESS
- CE7.Thu.P8 *Laura Fernández, María Sánchez, Carlos De La Cruz, Mariano Ontivero, Diego Santoni, Patricia Berti, Cesar Rozas, Fernanda Cravero**
SYNTHESIS, CHARACTERIZATION AND APPLICATION OF PVP GRAFTED SMECTITE CLAY
- CE7.Thu.P9 *Wojciech Franus, Magdalena Wdowin**
SYNTHESIS OF (NA-X) ZEOLITIC MATERIAL FROM F CLASS FLY ASH – LABORATORY AND PILOT PLANT TESTS
- CE7.Thu.P10 *Lucie Fuitova*, Lenka Herzogova, Barbora Dousova, Miloslav Lhotka, Tomas Grygar, David Kolousek, Vladimír Machovic*
REMOVAL OF AS AND SE OXYANIONS USING MODIFIED CLAYS: Fe^{2+} , Fe^{3+} MODIFICATION
- CE7.Thu.P11 *Celso Gomes*, Cristina Sequeira*
SONIC AND CHEMICAL ACTIVATION OF DEHYDROXYLATED KAOLIN AS CONTRIBUTING FACTORS TO ATTAIN METAKAOLIN MAXIMUM REACTIVITY
- CE7.Thu.P12 *Denis L. Guerra*, Rúbia R. Viana, Claudio Airoldi, Rômulo S. Angélica*
ADSORPTION OF THORIUM(IV) ON CHEMICALLY MODIFIED AMAZON CLAYS
- CE7.Thu.P13 *Lenka Herzogová*, Lucie Fuitová, Barbora Doušová, Tomáš Grygar, David Koloušek, Vladimír Machovič, Miloslav Lhotka*
REMOVAL OF AS AND SE OXYANIONS USING MODIFIED CLAYS: Al^{3+} , $\text{Al}^{3+}/\text{Fe}^{3+}$, Mn^{2+} MODIFICATION
- CE7.Thu.P14 *Chi-Jung Hsieh, Tsing-Hai Wang, Jiann-Ruey Chen, Shi-Ping Teng**
INFLUENCE OF CALCIUM CARBONATE ON SURFACE DISSOCIATION COEFFICIENT OF MONTMORILLONITE
- CE7.Thu.P15 *Yezeña Huaypar*, Jorge Bravo, Erika Gabriel, Abel Gutarra, Rosario Sun, Cristina Volzone*
STUDY OF MODIFIED CLAYS FOR USE IN AFLATOXIN ADSORPTION
- CE7.Thu.P16 *Aya Iijima, Taka-Aki Saito, Shin'ichi Ishimaru*, Makoto Tadokoro, Kazuya Saito*
PROTON CONDUCTIVITY AND NMR STUDIES ON KENYAITES
- CE7.Thu.P17 *N. Jiratumnukul*, S. Kittinaovarat, N. Kulpreechanunda*
ORGANO CLAY AS A FLAME RETARDANT IN TEXTILE FINISHING
- CE7.Thu.P18 *Zenon Klapyta**
SWELLING OF ALKYLAMMONIUM LAYER SILICATES IN ETHYLENE GLYCOL
- CE7.Thu.P19 *Zdenek Klika*, Michaela Dudová, Petra Horaková, Pavla Čapková*
INTERCALATION OF PROTONATED MEHYLENE BLUE INTO MONTMORILLONITE
- CE7.Thu.P20 *Yukiko Kurata*, Kohei Takatani, Hiroshi Nakano*
DEVELOPMENT OF ANALYTICAL METHOD FOR AIR SENSITIVE CLAY MINERAL

- CE7.Thu.P21 *N.Najai Labidi*, A. Ghorbel, D. Tichit*
OXIDATIVE COUPLING OF METHANE CATALYSED BY CoMGAL, CoAL AND MGAL MIXED OXIDES AT LOW REACTION TEMPERATURE
- CE7.Thu.P22 *Thais R. Macedo*, Claudio Airoidi*
RUB-18 ORGANOMODIFIED DERIVATIVES FOR CATION REMOVAL AT THE SOLID/LIQUID INTERFACE
- CE7.Thu.P23 *Ana Áurea B. Maia, Rômulo Simões Angélica*, Roberto De Freitas Neves*
SYNTHESIS OF ZEOLITE A USING KAOLIN WASTES FROM THE BRAZILIAN AMAZON REGION
- CE7.Thu.P24 *Tiziano Manfredini, Monia Montorsi, Guido Ori*, Cristina Siligardi*
SURFACE FUNCTIONALIZATION OF NATURAL HALLOYSITE CLAY NANOTUBES BY GRAFTING WITH ORGANOSILANES
- CE7.Thu.P25 *Marián Matejdes*, Marián Janek*
FUNCTIONALISATION OF MONTMORILLONITE WITH SUPRAMOLECULAR COMPLEXES BASED ON FLUORESCENCE DYES
- CE7.Thu.P26 *Olena Mokrousova*, Vasyl Moraru*
THE INTERACTION MECHANISM OF Cr(III)-COMPOUNDS WITH MONTMORILLONITE ACCORDING TO DATA OF ELECTROKINETICS, STABILITY AND RHEOLOGY OF ITS AQUEOUS DISPERSIONS
- CE7.Thu.P27 *Hiroshi Nakano*, Toshihiko Sugano, Takao Tayano*
ANALYSES OF CLAY MINERAL ACTIVATOR IN PROPYLENE POLYMERIZATION CATALYST
- CE7.Thu.P28 *Azin Paydayesh, Mehrdad Kokabi*, Ahmad Reza Bahramian*
INTERCALATION OF DMSO INTO KAOLINITE: COMPARISON OF SLOW AND FAST METHODS
- CE7.Thu.P29 *J.L. Pérez Rodríguez*, L.A. Pérez-Maqueda, J. Pascual*
SONICATION TREATMENT OF CLAY MINERALS
- CE7.Thu.P30 *Fatemeh Pashaei Sourbaghi, Mehrdad Kokabi*, Sahar Ghafarlou, Atefeh Golbang*
MONTMORILLONITE MODIFICATION BY HTAB
- CE7.Thu.P31 *Fatemeh Pashaei Sourbaghi, Mehrdad Kokabi*, Atefeh Golbang, Sahar Ghafarlou*
COMPARISON OF SLOW AND FAST METHODS IN MONTMORILLONITE MODIFICATION
- CE7.Thu.P32 *G. Spagnoli*, C. Post, T. Fernández-Steeger, H. Stanjek, M. Feinendegen, R. Azzam*
MODIFICATION OF THE ADHESIVE FORCES BETWEEN MINERAL AND TOOL SURFACES DURING MECHANICAL TUNNEL DRIVING
- CE7.Thu.P33 *Annett Steudel*, Lawrence Batenburg, Hartmut Fischer, Peter G. Weidler, Rainer Schuhmann, Katja Emmerich*
PARTICLE SIZE REDUCTION (DELAMINATION) OF ILLITE AND VERMICULITE PARTICLES BY ACID ACTIVATION
- CE7.Thu.P34 *Maryna Tryfonova*, Svitlana Bondarenko, Yuri Tarasevich, Eugene Aksenenko*
PREPARATION AND PROPERTIES OF ALUMINOSILICATES WITH RIGID STRUCTURAL CELL, MODIFIED BY ORGANIC CATIONS OF DIFFERENT NATURE
- CE7.Thu.P35 *Yann-Ling Young, Tsing-Hai Wang, Jiann-Ruey Chen, Shi-Ping Teng**
SURFACE MORPHOLOGY OF ZnO/MONTMORILLONITE COMPOSITE MATERIAL: EFFECT OF Zn²⁺ LOADINGS
- Tomáš Zacher*, Marián Janek*
COUMARINE INTERCALATE NANOCOMPOSITES BASED ON KAOLINE AND HALLOYZITE CLAYS

Oral Programme CE8

Processing and Properties of Ceramic Materials

Conveners: Philippe Blanchart, Ahmed K. Aboul-Gheit

Thursday 18 June, 2009

Chair: Philippe Blanchart

- 08.50 – 09.20 CE8a.Thu.KL1
*Michele Dondi**
HOW INNOVATION IN CERAMIC PROCESSING IS CHANGING BALL CLAY REQUIREMENTS
- 09.20 – 09.40 CE8a.Thu.L2
Chiara Zanelli, Claudio Iglesias, Eduardo Dominguez, Michele Dondi, Mariarosa Raimondo, Guia Guarini, Rosa Ullmann*
IMPROVING TECHNOLOGICAL PERFORMANCES OF BALL CLAYS: THE CASE-STUDY OF CERAMIC RAW MATERIALS FROM PATAGONIA (ARGENTINA)
- 09.40 – 10.00 CE8a.Thu.L3
Raghavan Pattathil, Savithri Sivaraman, Suresh Nikkam*
ANALYSIS OF PRE-TREATMENT EFFECTS FOR THE REMOVAL OF TITANOFERROUS IMPURITIES FROM CHINA CLAY BY FROTH FLOTATION
- 10.00 – 10.20 CE8a.Thu.L4
Miriam Peuker, Ralf Diedel, Kerstin Petrick, Eve Menger-Krug, René Kaden, Katja Emmerich, Rainer Schuhmann, Matthias Dieterle, Paul Kuch, Stefan Huber, Heike Fischer, Daniel Beyer, Andreas Zehnsdorf, Peter Krolla-Sidenstein*
INVESTIGATION OF THE CLAY MATURING PROCESS AS BASIS FOR PROPERTY-ENHANCING UTILIZATION AND CONTROL OF MICROBIOLOGICAL REACTIONS
- 10.20 – 10.40 CE8a.Thu.L5
Hongliang Xu, Meng Wang, Hongxia Lu, Hailong Wang, Deliang Chen, Rui Zhang, Shaokang Guan, Qinfu Liu*
FABRICATION AND CHARACTERIZATION OF FLOOR TILES FROM COAL GANGUE AND COAL FLY ASH

COFFEE BREAK 10.40-11.00

Thursday 18 June, 2009

Chair: Michele Dondi

- 11.00 – 11.30 CE8b.Thu.L1
Zeljko Lalic, Milica Arsenovic, Zagorka Radojevic*
CORRECTION OF CRITERIA FOR CLAY DRYING SENSITIVITY ON THE BASIS OF BIGOT`S CURVE
- 11.30 – 11.50 CE8b.Thu.L2
In-Hyuck Song, Eun-Jung Lee, Hai-Doo Kim, Young-Wook Kim*
INVESTIGATION OF A LIGHT-WEIGHTED HUMIDITY CONTROLLING MATERIAL WITH MICROCELLULAR PORE STRUCTURE
- 11.50 – 12.10 CE8b.Thu.L3
*István Kocserha, László A. Gömze**
FRICTION PROPERTIES OF CLAY COMPOUNDS
- 12.10 – 12.30 CE8b.Thu.L4
Benjamin Verhaeghe, Christian Courtois, Jean Dominique Guerin, Anne Leriche*
CHARACTERISATION AND ANALYSIS OF MECHANICAL PROPERTIES VERSUS POROSITY IN CLAY CERAMICS
- 12.30 – 12.50 CE8b.Thu.L5
*F. Gridi-Bennadji, S. Deniel, G. Di Vita, D. Chateigner, P. Blanchart**
MECHANICAL PROPERTIES OF TEXTURED CERAMICS FROM MUSCOVITE-KAOLINITE ALTERNATE LAYERS

LUNCH 12.50-14.20

Thursday 18 June, 2009

Chair: Philippe Blanchart

- 14.30 – 15.00 CE8c.Thu.L1
*László A. Gömze, Ferenc Kristály**
STAGES OF TRANSFORMATION OF VEGETAL ADDITIVE MATERIALS UPON CLAY MIXTURE FIRING
- 15.00 – 15.20 CE8c.Thu.L2
*Younes Beygi Khosrowshahi, Amin Salem**
THE EFFECT OF BINDER MIXING ON TECHNICAL PARAMETER OF CERAMIC RASHIG RINGS
- 15.20 – 15.40 CE8c.Thu.L3
Chantale Djangang Njiomou, Uphie Melo Chinje, Antoine Elimbi, Laure Gisele Lecomte, Julien Soro, Daniel Njopwouo*
MICROSTRUCTURE OF CLAY-CHAMOTTE CERAMIC COMPOSITES
- 15.40 – 16.00 CE8c.Thu.L4
Ehsan Sharifi, Habib Allah Torshizian, Mohammad Javanbakht, Hossein Abbassnia*
INTRODUCING OF BIMORGH KAOLIN INDUSTRIAL APLICATIONS IN NORTHEAST OF IRAN
- 16.00 – 16.20 CE8c.Thu.L5
Osumanu Haruna Ahmed, Nik Muhamad ab. Majid, Mohamadu Boyie Jjalloh*
EFFECT OF GRAIN SIZE ON THE QUALITY OF POTTERY CLAYS

Poster Programme CE8

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

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

Chair: Philippe Blanchart

- CE8.Thu.P1 *Walid Hajjaji*, Mondher Hachani, Alberto Lopez-Galindo, Joao Labrincha, Fernando Rocha, Fakher Jamoussi*
TECHNOLOGICAL PROPERTIES OF TITHONIAN-BARREMIAN DETRITAL DEPOSITS OF CENTRAL TUNISIA
- CE8.Thu.P2 *Milica Hadnadjev*, Snezana Petrovic, Vilma Ducman, Jonjaua Ranogajec, Radmila Marinkovic-Neducin, Sinisa Markov*
DESIGN OF SELF-CLEANING TiO₂ COATING ON CLAY ROOFING TILES
- CE8.Thu.P3 *J. Y. Y. Andji*, S. Deniel, J. C. Jumas, J. Yvon, P. Blanchart*
MECHANICAL PROPERTIES OF CLAY CERAMICS CONTAINING IRON
- CE8.Thu.P4 *Mazin Tamar-Agha*, Taha Al-Nuaimi*
UTILIZATION OF PHOSPHOGYPSUM AND KAOLINITIC CLAY IN MANUFACTURING THERMAL INSULATORS AND REFRACTORIES
- CE8.Thu.P5 *W. Hajjaji*, P. Seabra, J.A. Labrincha*
TITANITE INORGANIC PIGMENTS OBTAINED FROM INDUSTRIAL WASTES
- CE8.Thu.P6 *Mohammad Javanbakht*, Habib Allah Torshizian, Ehsan Sharifi, Hossein Abbasnia, Mohsen Allameh*
GEOCHEMISTRY, MINERALOGY AND INDUSTRIAL APPLICATION OF SAFI ABAD KAOLIN IN NORTHEAST OF IRAN
- CE8.Thu.P7 *Yung-Sheng Lee, Tsing-Hai Wang, Jiann-Ruey Chen, Shi-Ping Teng**
EFFECT OF CALCINATION TEMPERATURE ON SURFACE CHEMISTRY OF MONTMORILLONITE MX-80
- CE8.Thu.P8 *Kazumi Minagawa*, Hirohisa Yamada, Kenji Tamura, Yujiro Wawanabe*
DEVELOPMENT OF SYNTHETIC METHOD FOR NANO-PARTICLES OF HYDROXIDE AND LAYERED DOUBLE HYDROXIDE
- CE8.Thu.P9 *Manuel Pozo, Javier Menendez, Sonia Gracia**
PROPOSAL OF A GRAIN-SIZE BASED PHYSICAL SEPARATION PROCEDURE IN THE PURIFICATION OF BALL-CLAYS FOR CERAMIC INDUSTRY
- CE8.Thu.P10 *Gaida Sedmale, Andris Celms*, Andris Cimmers*
DIFFERENTLY PREPARED ILLITE CLAY COMPOSITIONS FOR POROUS CERAMICS
- CE8.Thu.P11 *Ana Velosa, Fernando Rocha*, Humberto Varum*
LIME/METAKAOLIN MORTARS FOR ADOBE WALLS
- CE8.Thu.P12 *Małgorzata Franus*, Wojciech Franus, Jolanta Latosińska*
UTILIZATION OF USED UP GLAUCONITE BED FOR MAKING LIGHTWEIGHT AGGREGATE
- CE8.Thu.P13 *Agata Stempkowska*, Dariusz Kata, Piotr Izak, Stanisław Hybner*
SOME ASPECTS OF USING RAW ADDITIVES FOR MODIFYING CERAMICS MASSES
- CE8.Thu.P14 *Francesco Dellisanti, Giovanni Valdrè**
HIGH TEMPERATURE STRUCTURAL CHARACTERIZATION OF DEFORMED KAOLINITE