

Preliminary timetable for Zeolite 2014

Monday, 9 June 2014

8 ³⁰ – 12 ³⁰	Registration
9 ⁰⁰	<p>Zeolite 2014 Opening Ceremony Welcome Address</p> <p>Welcome address from Organizers Dr Aleksandra Daković (Serbia) and Prof. dr Marina Trgo (Croatia)</p> <p>Welcome address from Prof Alessio Langella – INZA President</p> <p>Welcome address from Ministry of Education, Science and Technological Development of Republic of Serbia</p> <p>Welcome address from Chamber of Commerce</p> <p>Welcome address Prof Vera Dondur, President of the National Council for Science and Technological Development of Republic of Serbia</p>
9 ⁴⁵ - 10 ¹⁵	Coffee Break
10 ¹⁵	<p>Session 1 Zeolite Formation and Occurrence – oral presentations</p> <p>Chairs: G. Diego Gatta, (Italy) and A. Godelitsas, (Greece)</p>
10 ¹⁵	<p>INVITED LECTURE</p> <p>Natural zeolites - A treasure in zeolite science</p> <p>R. X. Fischer (Germany) – INVITED</p>
10 ⁴⁵	<p>An Approach to the Genesis and Mineral Composition of Chabazitolite in Central Anatolia (Ankara/Turkey)</p> <p>M. Bahadır Şahin (Turkey)</p>
11 ⁰⁰	<p>Phonolite-hosted zeolite deposits in the Kaiserstuhl Volcanic Complex, Germany</p> <p>S. Spürgin (Germany), T. B. Weisenberger (Finland), N. Rosing-Schow (Finland), and M. Vasilopoulos (Finland)</p>
11 ¹⁵	<p>Zeolite alteration patterns in the Lefkimi area, N.E. Greece. Contribution to the genetic model of zeolites in the area of Thrace</p> <p>I. Marantos (Greece), G.E. Christidis (Greece), K. Michail (Greece), D. Tarenidis (Greece)</p>
11 ³⁰	<p>The “Tufo Giallo della Via Tiberina” (Sabatini Volcanic District, Central Italy): a complex system of lithification in a pyroclastic current deposit</p> <p>Cappelletti P. (Italy), Petrosino P. (Italy), de Gennaro M. (Italy), Colella A. (Italy), Graziano S.F. (Italy), D’Amore M. (Italy), Mercurio M. (Italy), Cerri G. (Italy), de Gennaro R. (Italy), Rapisardo G. (Italy), Langella A. (Italy)</p>

11 ⁴⁵	Zeolite deposits and occurrences in Serbia – an overview V. Simić (Serbia), D. Životić (Serbia), N. Andrić (Serbia), A. Radosavljević-Mihajlović (Serbia) and V. Kašić (Serbia)
12 ⁰⁰	Occurrence, properties and uses of mordenite-bearing tuffs from Milos-Kimolos-Polyegos volcanic field (Greece): A review A. Godelitsas (Greece), G. Stamatakis (Greece), P. Gamaletsos (Greece) and M. Stamatakis (Greece)
12 ¹⁵	Surface-water mineral composition adjustments of Alpine stilbite T. B. Weisenberger (Finland), and K. Bucher (Germany)
12 ³⁰ – 14 ⁰⁰	Lunch
	Session 2: Mineralogy of Natural Zeolites - oral presentations (Chairs R. Fischer, Germany and P. Cappelletti (Italy)
14 ⁰⁰	Host-guest interactions in zeolites: insights from the NAT-topology system H.-W. Wang (USA) and D. L. Bish (USA)
14 ¹⁵	Effects of low temperature and high pressure on the structure of gobbinsite G.D. Gatta (Italy), P. Lotti (Italy), and N. Rotiroti (Italy)
14 ³⁰	Zeolitization of 2nd Rupelian acid phase pyroclastics near Kostino village, Kardzhali District (E. Rhodopes, S. Bulgaria) R. Ivanova (Bulgaria), I. Peytcheva (Bulgaria), M. Kadiyski (Bulgaria), A. Vlahov (Bulgaria), and N. Vucović (Serbia)
14 ⁴⁵	Structural changes of natural zeolite from Kravevo deposit (Bulgaria) after thermal treatment S. Djambazov (Bulgaria), A. Yoleva (Bulgaria), O. Petrov (Bulgaria), O. Malinov (Bulgaria)
15 ⁰⁰ – 15 ³⁰	Coffee break
	<i>Session 3 Zeolites: Thermodynamics, Ion exchange, and Characterization</i> - oral presentations Chairs J. Elsen (Belgium) and P. Misaelides (Greece)
15 ³⁰	Study of Sr ²⁺ sorption kinetics from surface drinking water on clinoptilolites from Russian and Bulgarian deposits V.A.Nikashina (Russia), I.B.Serova (Russia), T.G.Kuzmina (Russia),

	I.A.Roschina (Russia), N. L. Lihareva (Bulgaria), and O. E. Petrov (Bulgaria), I. N. Gromyak. (Russia)
15 ⁴⁵	Cathodoluminescence characterization of natural zeolites H. Nishido (Japan)
16 ⁰⁰	Compressional behaviour of paulingite - A sub-nanosponge? G.D. Gatta (Italy), T. Pippinger (Austria), R. Miletich (Austria), R. Skála (Czech Republic), Y. Lee (Korea)
16 ¹⁵	Real structure of natural mordenite from Mátra Hill (Hungary) Sz. Ormándi (Hungary), I. Dódonny (Hungary)
16 ³⁰	Elements release from zeolitized tuff: kinetic aspects E. Grilli (Italy), S. Salvestrini (Italy), and G. F. Capra (Italy)
16 ⁴⁵	Thermal energy storage by zeolitic tuffs E.Yorukogullari (Turkey)
17 ⁰⁰	Kinetic and successive sorption/desorption study of Zn and Cd uptake onto iron-modified zeolite M. Ugrina (Croatia), N. Vukojević Medvidović (Croatia), J. Perić (Croatia), M. Trgo (Croatia)
17 ¹⁵	Dehydration kinetics of local clinoptilolite-rich natural zeolite G. Narin (Turkey)

17³⁰ – 18³⁰

Poster presentation session 1, 2 and 3 (21 posters)

Zeolitization of pyroclastic flows: the case of the “Orvieto-Bagnoregio Ignimbrite”, Central Italy

G. Cerri (Italy), A. Brundu (Italy), P. Mameli (Italy), P. Cappelletti (Italy), A. Langella (Italy), P. Petrosino (Italy), G. Rapisardo (Italy), R. de Gennaro (Italy), A. Colella (Italy), M. D’Amore (Italy), and M. de Gennaro (Italy)

Geology of the deposit zeolitic tuff Slanci near Belgrade

V. Kašić (Serbia), D. Životić (Serbia), V. Simić (Serbia), J. Stojanović (Serbia), A. Radosavljević-Mihajlović (Serbia), Ž. Sekulić (Serbia), S. Mihajlović (Serbia)

Characteristics and formation of phillipsite crystals in a sediment core from the Central Indian Ocean Basin

Sridhar D. Iyer (India) and Shannon Meryl Pinto (India)

Merlinoite synthesis from natural perlite precursor

L., Dimitrov (Bulgaria), O. Petrov (Bulgaria), M. Tarassov (Bulgaria), V. Petkova (Bulgaria)

Structural study of Zn exchanged natural clinoptilolite using powder XRD and positron annihilation data

L. T. Dimowa (Bulgaria), O. E. Petrov (Bulgaria), N. I. Djourellov (Bulgaria) and B. L. Shivachev (Bulgaria)

Efficacy of thermal treatments in inactivating exhausted clinoptilolite-based Pb-exchangers

A. Brundu (Italy), and G. Cerri (Italy)

Thermal induced phase transformation of Cs-exchanged clinoptilolite

M. Omerašević (Serbia), M. Čebela (Serbia), A. Savić (Serbia), V. Maksimović (Serbia), N. Vuković (Serbia), A. Radosavljević-Mihajlović (Serbia)

Jablanica 1 – perspective zeolite deposit

D. Križak (Serbia), M. Maksimović (Serbia), D. Vojnović (Serbia)

Geopolymeric Materials Based on Natural Zeolites

A. N. Nikolov (Bulgaria), and I. A. Rostovsky (Bulgaria)

Nanoporosity in natural and dealuminated zeolites from Mexico

M. A. Hernández (Mexico), F. Rojas (Mexico), R. Portillo (Mexico), M. A. Salgado (Mexico), L. Corona (Mexico)

Natural clinoptilolite and mordenite forms improved with copper and iron: characterization and catalytic activity in NO reduction.

I. Rodríguez Iznaga (Cuba), V. Petranovski (Mexico), F. F. Castellón Barraza (Mexico), A. Simakov (Mexico), B. Concepción Rosabal (Cuba), F. Chávez Rivas (Mexico), D. Tito Ferro (Cuba) and A. Penton Madrigal (Cuba)

N₂, NO₂ and CO₂ adsorption on Epistilbite exchanged with H⁺

M. A. Hernández (Mexico), F. Rojas (Mexico), M. A. Salgado (Mexico), R. Portillo (Mexico)

Structural and spectroscopic characterization of air-calcined zeolitic tuff from Etna, Oaxaca, México

G. Zacahua-Tlacuati (Mexico), C. D. Hernández Zapiain (Mexico), A. Manzo-Robledo (Mexico), G. Berlier (Italy), F. Chávez-Rivas (Mexico), V. Petranovskii

	<p>(Mexico) and S. Coluccia (Italy)</p> <p>Kinetics of dehydration of K- and Na-cation-exchanged forms of clinoptilolite N. L. Petrova (Bulgaria), V. Petkova (Bulgaria), and O. E. Petrov (Bulgaria)</p> <p>Thermal analysis of Philippine natural zeolites F. M. Mulimbayan (Philippines), E. M. Olegario-Sanchez (Philippines), and R.B. Cervera (Philippines)</p> <p>Detection of ethanol vapors by ZnO/ Stilbite Composites Megha P.Mahabole (India), Madhuri A. Lakhane(India), Rajendra S. Khairnar (India)</p> <p>Physicochemical characterization and application of wasted fly ashes Z. Sarbak (Poland), M. Kramer-Wachowiak (Poland)</p> <p>Impregnation of natural clinoptilolite with zinc G. D. Calabria (Brazil), F. Borsatto (Brazil) and M. C. Shinzato (Brazil)</p> <p>Effect of zeolites on phosphate rock dissolution: Response Surface Methodology study M. Mihajlović (Serbia), L. Pezo (Serbia), M. Stojanović (Serbia), M.Petrović (Serbia), J.Petrović (Serbia), Z.Lopičić (Serbia), T. Šošarić (Serbia)</p> <p>Influence of pH on the adsorption of phenol and nitrophenols by Na clinoptilolite-rich tuff L. Valle (Mexico), S. Martínez (Mexico), M. T. Olguín (Mexico), and M. Abatal (Mexico)</p>
20 ⁰⁰	Welcome Reception – Hotel Park

Tuesday, 10 June 2014

8 ⁰⁰ - 12 ⁰⁰	Registration
9 ⁰⁰	INVITED LECTURE Applications of zeolite science to problems in rare earth element research L. S. Campbell (UK) , A. Dyer (UK), N. J. G. Pearce (UK) and S. Chenery (UK) - INVITED
	Session 4 <i>Modeling of Zeolite Surfaces and Processes</i> (oral presentations) (Chairs: R. Rodrigues Fuentes (Cuba) and R. Leyva Ramos (Mexico))
9 ³⁰	Use of surface modified natural zeolite (SMNZ) in pharmaceutical preparations Part 1. Mineralogical and technological characterization of some industrial zeolite-rich rocks P. Cappelletti (Italy) , L. Catalanotti (Italy) , A. Langella (Italy) , A. Colella (Italy) , M. Mercurio (Italy) , V. Monetti (Italy) , <u>B. de Gennaro (Italy)</u>
9 ⁴⁵	Sorption of organic pollutants onto natural zeolites: isosteric and standard enthalpy V. Leone (Italy) , P. Iovino (Italy) , S. Salvestrini (Italy) , <u>S. Capasso (Italy)</u>
10 ⁰⁰	Removal of chromium (VI) from aqueous solutions using zeolites modified with HDTMA and ODTMA surfactants <u>B. Szala (Poland)</u> , T. Bajda (Poland) , and A. Jeleń (Poland)
10 ¹⁵	Applications of Zeolites for Bioenergy Production: A Review I. V. Sezgin (Turkey) , and <u>H. Merdun (Turkey)</u>
10 ³⁰ - 11 ⁰⁰	Coffee Break
11 ⁰⁰	Adsorption of butyl acetate onto modified clay minerals I. Pliš (Poland) , <u>W. Prokop (Poland)</u> , R. Petrus (Poland) , and J. Warchoł (Poland)
11 ¹⁵	Removal of acid red 37 from waste water using modified zeolite with apolaccase enzyme <u>H. Nadaroglu (Turkey)</u> , E. Kalkan (Turkey) and N. Celebi (Turkey)
11 ³⁰	A new approach to fast modify the zeolite surface: high speed disperser technique in the preparation of great SMZ amount P. Cappelletti (Italy) , <u>L. Catalanotti (Italy)</u> , A. Langella (Italy) , M. Mercurio (Italy) , B. de Gennaro (Italy) A. Daković (Serbia)

11 ⁴⁵	Embedment of Methylene Blue in natural and synthetic phillipsite S. Kowalak (Poland), M. Szyld (Poland), A. Jankowska (Poland)
12 ⁰⁰	Neptunium removal from carbonate solutions by a greek HDTMA-modified HEU-type zeolite containing tuff P. Misaelides (Greece), D. Fellhauer (Germany), X. Gaona (Germany), M. Altmaier (Germany), and H. Geckeis (Germany)
12 ¹⁵	Thorium removal from carbonate solutions by HDTMA-modified HEU-type zeolite-, chabazite- and phillipsite-bearing tuffs P. Misaelides (Greece), X. Gaona (Germany), M. Altmaier (Germany) and H. Geckeis (Germany)
12 ³⁰ – 14 ⁰⁰	Lunch
	Session 5 Zeolites: Environmental Applications and Radioactive Waste Control – oral presentations Chairs: G. Christidis (Greece) and A. Buondonno (Italy)
14 ⁰⁰	INVITED LECTURE Natural zeolites in extraterrestrial environments and potential implications Vassilis J. Inglezakis (Kazakhstan) and Antonis A. Zorpas (Cyprus)
14 ³⁰	Natural Clinoptilolite Nanoparticles: An Adsorbent for Removal of Heavy Metals from Landfill Leachate M. J. Askari (Iran), H. Kazemian (Canada) and P. Najafi (Iran)
14 ⁴⁵	Sorption of selected petroleum products by clinoptilolite and synthetic zeolites L. Bandura (Poland), M. Franus (Poland), W. Franus (Poland)
15 ⁰⁰	Nitrogen removal from wastewater UASB reactor with natural zeolite powder H. N. Martins (Brazil) and F. Borsatto (Brazil)
15 ¹⁵	Equilibrium and Kinetic Study for Removal of Acid Fuchsin dye by Natural Zeolite E. Kalkan (Turkey), H. Nadaroglu (Turkey), and N. Celebi (Turkey)
15 ³⁰ -16 ⁰⁰	<i>Coffee break</i>
16 ⁰⁰	Comparison of ammonium removal between Natural and Sodium modified Clinoptilolite R. M. D. Serio (Brazil) and F. Borsatto (Brazil)

16 ¹⁵	Sorption-regeneration cycles of ammonium by a salt-activated clinoptilolite M. G. Cardoso (Brazil), L. M. Paim (Brazil), I. C. Tessaro (Brazil) and L. A. Féris (Brazil)
16 ³⁰	Modeling Adsorption Rate of Cadmium(II) from Aqueous Solution onto Clinoptilolite R. Leyva-Ramos (Mexico), P. Coronado-Oyarvide (Mexico), R. Ocampo-Perez (Mexico) and J. Mendoza-Barron (Mexico)
16 ⁴⁵	Experimental studies on the effect of particle size on the performance of zeolite fixed beds M.A. Stylianou (Cyprus), V.J. Inglezakis (Kazakhstan)
17 ⁰⁰ – 18 ⁰⁰	<p>Poster presentation session 4 and 5 (16 posters)</p> <p>Ibuprofen sorption and release by modified natural zeolites as prospective drug carriers D. Krajišnik (Serbia), A. Daković (Serbia) and J. Milić (Serbia)</p> <p>Removal of Reactive Black 5 from Wastewater by using Apolaccase Modified Zeolite E. Tasgin (Turkey), H. Nadaroglu (Turkey), E. Kalkan (Turkey), N. Celebi (Turkey) and E. Karaman (Turkey)</p> <p>Pesticide adsorption on zeolites, polyaniline and their composites M. Milojević-Rakić (Serbia), A. Janošević-Ležaić (Serbia), V. Dondur (Serbia), and G. Ćirić-Marjanović (Serbia)</p> <p>Adsorption of Eriochrome Black T on MnO₂ – coated zeolite D.M. Aguila (Philippines), M.V. Ligaray (Philippines), R.V. Mariano (Philippines), H.D. Mendoza (Philippines), E.M. Olegario (Philippines), R.J. Pagdingalan (Philippines)</p> <p>Removal of toxic ions Pb(II) and Cd(II) by natural zeolite in phosphoric acid media M. Zh. Kussainova (Kazakhstan), R.M. Chernyakova (Kazakhstan), U. Zh. Dzhusipbekov (Kazakhstan), G. Sh. Sultanbayeva (Kazakhstan), A.A. Agatayeva (Kazakhstan)</p> <p>Extraction of rhenium and sulphur dioxide utilization during molybdate concentrate roasting with the help of natural zeolites of Armenia R. G. Gevorgyan (Armenia), A. V. Galstyan (Armenia), Sh. E. Sarkisian (Armenia)</p> <p>Treatment of nuclear power plant radioactive wastes by immobilization into a stable crystallized glass-ceramic matrix (pyroceram sitall) based on natural minerals R.G. Gevorgyan (Armenia), A.O. Sargsyan (Armenia)</p> <p>Use of natural zeolites to produce basic reclaimed water for industrial use from the effluents of sewage treatment plants. F. Borsatto (Brazil), G. N. Almeida (Brazil), F. Machdo (Brazil), M. L. R. P.</p>

	<p>Fernandes (Brazil), A. M. Matsumoto (Brazil)</p> <p>Use of natural zeolites (FERTCEL) in the treatment process of municipal solid waste (MSW). F. Borsatto (Brazil) and J. A. Febles (Brazil)</p> <p>Effect of using natural substrate on elimination of heavy metals from industrial wastewater using pitcher irrigation K. Asgari (Belgium), W. M. Cornelis (Belgium), N. Samadi (Canada), P. Najafi (Iran)</p> <p>Removal of ammonium ion from aqueous solution by natural zeolite D.Munkhjargal (Mongolia), R.Ulambayar (Mongolia), J.Oyuntsetseg (Mongolia), L.Tsogtzandan (Mongolia), R.Lkhagvajav (Mongolia)</p> <p>Comparison of linear and non-linear Ho pseudo-second-order models for the sorption of copper ions on synthesized geopolymer M. N. Mužek (Croatia), S. Svilović (Croatia), and J. Zelić (Croatia)</p> <p>The effect of S/L ratio, pH and initial concentration on mercury ion capture by the iron-modified zeolite N. Vukojević Medvidović (Croatia), M. Macherzynski (Poland), L. Uruski (Poland), M. Ugrina (Croatia)</p> <p>Kinetics of removal of Pb(II) ions using the natural and Fe(III)- modified zeolite M. Kragović (Serbia), Ž. Sekulić (Serbia), M. Stojanović (Serbia), M. Petrović (Serbia), V. Dondur (Serbia), Lj.Damjanović (Serbia), A. Jović (Serbia), M. Marković (Serbia)</p> <p>Use of natural clinoptilolite for sorption of strontium from polluted water media N. Lihareva (Bulgaria), O. Petrov (Bulgaria), Y. Tzvetanova (Bulgaria), M. Kadiyski (Bulgaria), and V.A. Nikashina (Russia)</p> <p>Cu(II) removal from aqueous solution by a mixture of zeolite and Myriophyllum spicatum J. Milojković (Serbia), M. Stojanović (Serbia), M. Mihajlović (Serbia), Z. Lopičić (Serbia), M. S. Petrović (Serbia), T. Šoštarić (Serbia), J. Petrović (Serbia)</p>
18 ⁰⁰ – 19 ⁰⁰	INZA Business Meeting – Alessio Langella presiding

Wednesday, 11 June 2014 - Mid-week trip

Thursday, 12 June 2014

	Session 6 Zeolites: Biotechnological and Biomedical Applications, Agriculture and Animal Nutrition – oral presentations Chairs: D. Bish (USA) and R. Ivanova (Bulgaria)
9 ⁰⁰	INVITED LECTURE Porous materials as host of active products: experimental and theoretical studies Aramis Rivera (Cuba)
9 ³⁰	The organo-zeolitic-soil system: a comprehensive fertilizer P. J. Leggo (England)
9 ⁴⁵	ZZ a zinc clinoptilolite for drinking-water treatment <u>G. Rodríguez-Fuentes</u> (Cuba) and I. Rodríguez-Iznaga (Cuba)
10 ⁰⁰	Natural Cuban zeolites for medical use and their histamine binding capacity <u>W. Dathe</u> (Germany), T. Selvam (Germany), and W. Schwieger (Germany)
10 ¹⁵	Simultaneous removal of Escherichia coli and heavy metals from water in batch and fixed bed column systems using silver modified clinoptilolite <u>L. O. Akhigbe</u> (UK), S. K. Ouki (UK), and D. P. Saroj (UK)
10 ³⁰ - 11 ⁰⁰	Coffee Break
11 ⁰⁰	Effect of zeolite treated water on the phytochrome system of plants <u>K. Chakalov</u> (Bulgaria), and T. Popova (Bulgaria)
11 ¹⁵	Antagonistic activities of natural zeolite against Helicobacter pylori infection <u>M. Farina</u> (Italy), C. Juliano (Italy), G. Rassu (Italy), A. Brundu (Italy), M. Cossu (Italy), M.C. Bonferoni (Italy), P. Giunchedi (Italy), E. Gavini (Italy), and G. Cerri (Italy)
11 ³⁰	First stages of porous materials synthesis starting from clinoptilolite: Molecular Dynamics simulations Y. Machado-Batista (Cuba), <u>A. Rivera</u> (Cuba), L.J. Alvarez (Mexico), and A. Lam (Cuba)
11 ⁴⁵	Testing of zeolites and other sorbents in hot mercury vapours and flue gases <u>M. Macherzynski</u> (Poland), M. Wdowin (Poland), Jerzy Górecki (Poland), Ł.

	Uruski (Poland), R. Panek (Poland), W. Franus (Poland), J. Gołasz (Poland)
12 ⁰⁰	From wastewater to irrigation water: adsorption of microbial, NH ₄ ⁺ and heavy metals pollution through a clinoptilolite bed laminar flux <u>C. Ferronato</u> (Italy), G. Vianello (Italy), L. Vittori Antisari (Italy)
12 ¹⁵	May the joint use of natural zeolites and steamed smectites be envisaged in oenological refining process? <u>M. Mercurio</u> (Italy), D. L. Bish (USA), P. Cappelletti (Italy), B. de Gennaro (Italy), C. Grifa (Italy), V. Mercurio (Italy), V. Morra (Italy), A. Langella (Italy)
12 ³⁰ – 14 ⁰⁰	Lunch
	Session 6 <i>Zeolites: Biotechnological and Biomedical Applications, Agriculture and Animal Nutrition – oral presentations</i> Chairs: H. Kazemian (Canada) and B. De Gennaro (Italy)
14 ⁰⁰	Interaction of natural zeolites with actinides and lanthanides <u>P. Misaelides</u> (Greece) and A. Godelitsas (Greece)
14 ¹⁵	Comparative analysis of zeolite (clinoptilolite) and Yucca schidigera extract in diets for adult cats N. C. Roque (Brazil), F. M. O. B. Saad (Brazil), J. P. F. Santos (Brazil), J. S. Reis (Brazil), A. F. Chizzotti (Brazil), F. S. Ebina (Brazil), <u>F. Borsatto</u> (Brazil)
14 ³⁰	Defluoridation of drinking water using a composite based on stilbite from Ethiopia <u>L. Gomez-Hortigüela</u> (Spain), E. Agudo (Spain), J. Pérez-Pariente (Spain), T. Sani (Ethiopia), Y. Chebude (Ethiopia) and I. Diaz (Spain, Ethiopia)
14 ⁴⁵	Uptake of Pb and Zn from binary solutions onto different fixed bed depths of natural zeolite - BDST model approach <u>I. Nuić</u> (Croatia), M. Trgo (Croatia), J. Perić (Croatia) and N. Vukojević Medvidović (Croatia)
15 ⁰⁰	Phytonutritional efficiency of zeolitized tuff in pedotechnologies for functional recovery of degraded lands. <u>E. Grilli</u> (Italy), G. F. Capra (Italy), and R. C. Vigliotti (Italy)
15 ¹⁵ – 15 ⁴⁵	Coffee break
15 ⁴⁵	Zeolitized tuffs in Pedotechnique for the reclamation of abandoned quarries. A case study in the Campania region (Italy).

	A. Buondonno (Italy), E. Grilli (Italy), G. F. Capra (Italy), C. Glorioso (Italy), A. Langella (Italy), A. P. Leone (Italy), N. Leone (Italy), P. Odierna (Italy), S. Vacca (Italy) and R. C. Vigliotti (Italy)
16 ⁰⁰	Celtonita: a product from natural clinoptilolite for high technology agriculture and environmentally friendly J.A. Febles (Brazil), F. Borsatto (Brazil), J. P. Ferreira (Portugal) and F. Ferreira (Portugal)
16 ¹⁵	The remediation of toxic metal polluted sediment by natural zeolite N. S. Slijepčević (Serbia), D. D. Tomašević (Serbia), M. B. Dalmacija† (Serbia), Dj. V. Kerkez (Serbia), B. D. Dalmacija (Serbia), M. M. Kragović (Serbia), S. D. Rončević (Serbia)
16 ³⁰ – 17 ³⁰	Poster presentation session 6 (16 posters) Improvement of the saline–alkali soil by natural zeolite—field trials of winter wheat and summer corn S. Liu (China), C. Han (China), J. Liu (China), X. Sheng (China) and X. Qi (China) The use of natural zeolite-rich rocks as additive to swine feeding stuffs: new insight onto methodology of the quality control analysis M. Mercurio (Italy), B. de Gennaro (Italy), L. Esposito (Italy), P. Cappelletti (Italy), A. Langella (Italy), F. Iannaccone (Italy), V. Monetti (Italy), F. Bovera (Italy) Bio-fertilizer MM on the basis of microorganisms and modified according to the new technology of Mineral composites (Association of microbes with natural modified minerales). R.G. Gevorgyan (Armenia), R.A. Madoyan (Armenia), A.O. Sargsyan (Armenia) Results of trials of obtained lactobacterial preparations based on modified zeolites R.G. Gevorgyan (Armenia), R. A. Madoyan (Armenia), H. Sargsyan (Armenia) Efficient technology for the development of agrofertilizer based on raw material of high-potassium tuff (HPT) from Tashir (Lory region, Armenia) R.G. Gevorgyan (Armenia), A. R. Demirchyan (Armenia), A.V.Galstyan (Armenia), M.R.Gevorkyan (Armenia) Natural clays as drug support system: preliminary studies A. Rivera (Cuba), L. Valdés (Cuba), A. M. Martínez (Cuba), M. Velázquez (Cuba), and L. C. de Ménorval (France) Effects of zeolite (clinoptilolite) and Yucca schidigera extract in cats fed on mineral excretion J. P. F. Santos (Brazil), F. M. O. B. Saad (Brazil), N. C. Roque (Brazil), R. C. S. Ogoshi (Brazil), M. A. Brunetto (Brazil), G. A. Igaki (Brazil) Activated natural zeolitic tuff – applicability in vegetable production M. Ugrinović (Serbia), V. Verbić (Serbia), D. Vojnović (Serbia) Activated natural zeolitic tuff – effects on reproductive parametetrs in cattle breeding

	<p>V. Verbić (Serbia), D. Vojnović (Serbia)</p> <p>A preliminary study on the effect of the natural zeolite and bentonite on the tomato "Nemo Netta" growth J. Kokot (Serbia) and C. Živković (Serbia)</p> <p>Clinoptilolite as a fertilizer carrier: the effect on pasture yield and quality V. Rakić (Serbia), A. Simić (Serbia), I. Živanović (Serbia), J. Marković (Serbia), Ž. Dželetović (Serbia), and T. Krogstad (Norway)</p> <p>Aflatoxin B1 adsorption by phillipsite- and chabazite-rich tuffs M. Marković (Serbia), A. Daković (Serbia), G. E. Rottinghaus (USA), M. Mercurio (Italy), P. Cappelletti (Italy), L. Catalanotti (Italy), A. Langella (Italy), M. Kragović (Serbia), B. de Gennaro (Italy)</p> <p>The use of organozeolite in broilers for uranium protection B.M. Mitrović (Serbia), G. Vitorović (Serbia), M. Stojanović (Serbia), A. Daković (Serbia), N. Krstić (Serbia), M. Lazarević–Macanović (Serbia), V. Andrić (Serbia), D. Vitorović (Serbia)</p> <p>Removal of bisphenol-A from water by surfactant modified bentonite and clinoptilolite V. Rakić (Serbia), V. Rac (Serbia), V. Pavlović (Serbia), M. Krmar (Serbia), Lj. Damjanović (Serbia) and M. Marković (Serbia)</p> <p>Cetylpyridinium chloride functionalized clinoptilolite as efficient adsorbent for pesticide removal M. Milojević-Rakić (Serbia), B. Nedić Vasiljević (Serbia), A. Jović (Serbia), M. Kragović (Serbia), K. Cvetanović (Serbia), Lj. Damjanović (Serbia) and V. Dondur (Serbia)</p>
17 ³⁰ – 18 ³⁰	Exhibition - sponsors
20 ⁰⁰	Conference dinner – Hotel Park

Friday, 13 June 2014

	<p><i>Session 7 Zeolites: Cement and Building Industry- oral presentations</i> Chairs: O. Petrov (Bulgaria) and L. Turanli (Turkey)</p>
9 ³⁰	<p>Pozzolanic activity of zeolitic tuffs from Neogene deposits, western Turkey: The controlling parameters S. Ozen (Turkey), C. Goncuoglu (Turkey), B. Liguori (Italy), B. de Gennaro (Italy), P. Cappelletti (Italy), C. Colella (Italy)</p>
9 ⁴⁵	<p>Study of the process of carbonation of cement with mineral additives during early hydration period (minutes) up to 24 hours V. Lilkov (Bulgaria), O. Petrov (Bulgaria), D. Kovacheva (Bulgaria), I. Rostovsky (Bulgaria), Y. Tzvetanova (Bulgaria), P. Savov (Bulgaria)</p>
10 ⁰⁰	<p>Mechanical performance, durability and atomic structure of high volume zeolitic natural pozzolan - portland cement based systems</p>

	A. Sassani (Turkey) , <u>L. Turanli</u> (Turkey) , A.-H. Emwas (Kingdom of Saudi Arabia), C. Meral (Turkey)
10 ¹⁵ -10 ⁴⁵	Coffee break and poster session 7
	<p>Poster presentation session 7 (7 posters)</p> <p>Modification of the lightweight aggregate with the use of spent clinoptilolite after sorption of petroleum substances M. Franus (Poland), R. Panek (Poland), M. Wdowin (Poland), W. Franus (Poland)</p> <p>Hydration Process and Strength Evolution of Air-cured Zeolite-rich Tuffs and Siltstone Blended Cement Pastes at low W/B Ratio M. H. Cornejo (Ecuador), J. Elsen (Belgium), C. Paredes (Ecuador) and H. Baykara (Turkey)</p> <p>Mordenite from Spain and its application as puzzolana J. L. Costafreda, B. Calvo, L. Gómez-Hortigüela, J. Pérez-Pariente, and I. Díaz</p> <p>Zeolite as an ad-mixture for cement, production of pozzolan cements M. Daňko (Slovakia)</p> <p>Effect of cyclic “heating-cooling” and “freezing-cooling” on the hydration products of cement with addition of clinoptilolite and silica fume V. Lilkov (Bulgaria), O. Petrov (Bulgaria), Y. Tzvetanova (Bulgaria), P. Savov (Bulgaria), V. Petkova (Bulgaria), N. Petrova (Bulgaria)</p> <p>Natural zeolite application to the stabilization of concrete produced using fly ash Y. Li (China)</p> <p>Properties of Portland cement with addition of Pb-zeolite Ž. Sekulić (Serbia), M. Kragović (Serbia), A. Terzić (Serbia), S. Mihajlović (Serbia) ,V.Kašić (Serbia), and M. Petrović (Serbia)</p>
10 ⁴⁵ – 11 ¹⁵	Concluding remarks and closing sessions
12 ³⁰	Post-conference field trip (departure)

Friday 13 June 2014 – Saturday 14 June 2014 – Post-conference field trip to the zeolite deposit Igroš, Brus, Serbia