PRESENTED CONTRIBUTIONS

SEMINAR LECTURES (published before the conference and distributed to the participants)

Konta J.: *Theory of Sorbent and Sealing Clays*

Weiss Z.: *Crystal Structure and Crystal Chemistry of Clay Minerals*

ORIGINAL CONTRIBUTIONS

Bain D.C.: *Dynamic Soil Clays*

Bayhan E., Hasdiğen S.: *Clay Mineralogy of the Lower Tertiary Sequence in the Burdur-Isparta Region (SW Turkey): Origin and Provenance*

Gomes C.: *The Prelude of Porcelain in Portugal*

Huff W.D., Muftuoglu E., Bergström S.M., Kolata D.R.: *Tracing the Origin of the Late Ordovician Deicke, Millbrig and Kinnekulle K-Bentonites*

Khramchenkov M.G., Khramchenkov E.M., Pleshchinskii N.B.: *Physico-Chemical Mechanics of Clays Swelling*

Kresta F.: *Expansive Clays in Track Subgrade in Deep Cut (Section Třebovice - Rudoltice, Czech Republic) and Their Treatment*

Kroupová H., Štamberg K.: *Experimental Study and Mathematical Modelling of Cs(I) and Sr(II) Sorption on Bentonite as Barrier Material in Deep Geological Repository*

Kühnel R.A., Van der Gaast S.J.: *XRD Pattern of Wet Specimen – Source of Interesting Information*

Mališ J., Křístková M.: *Structure of Vermiculite Modified by Organic Molecules*

Mank V.V., Tochkova O.V.: *Hydrophilicity and Thermoactivity of Glauconite*

Mdyusoff Z., Parsons I., Ngwenya B., Hillier S.: *The Control of Feldspar and Its Secondary Minerals on Fracture Surfaces of Granite at Different Stages of Weathering in Compressive Strength Tests*

Melka K., Ulrych J., Mikuláš R.: *Hydrobiotite from the Dětaň Oligocene Tuffs (Doupovské Hory Mts.)*

Minato H.: *New Clay Barrier Materials Composed with Combined Minerals:"Sealing Soil", for Final Waste Site in Urban Area*

Murray H.H.: *Clay Sorbents - The Mineralogy, Processing, and Applications*

Novák J.K., Melka K., Ulrych J., Řanda Z.: *Phonolite Weathering Profiles at Mariánská Hora Hill, České Středohoří Mts., and Sorption Properties of Clay Residues*

Pospíšil M., Čapková P., Valášková M., Weiss Z., Měřínská D., Kalendová A., Šimoník J.: *Intercalated Layer Silicates in Design of Clay-Polymer Nanocomposites*

Rebelo M., Gonçalves P., Silva E., Rocha F.: *Studies on Physical and Chemical Properties of Some Portuguese Mesocenozoic Clayey Formations Traditionally Used as Curative or Healing Materials*

Silva J., Gomes C., Coroado J., Marques J.: *Andosols and other Derived Volcanic Materials from Madeira Island: Ceramic Properties and Products*

Stoerr M., Kasbohm J., Zander M.: *Microanalytical Investigations (TEM) of 2:1 Phyllosilicates of German Kaolins*

Šrámek J.: *Calcite Concretions in Turonian Marly Silicites, Central Bohemia*

Vejsada J., Hradil D., Řanda Z., Jelínek E.: *Sorption of Cesium on Selected Czech Smectite-rich Clays*

Weiss Z., Valášková M., Seidlerová J., Křístková M., Šustai O.: *Hydrogen Peroxide Delamination of Powdered Mg-Vermiculite*

Wiewióra A., Petit S., Martin F., Prost R., Wilamowski A.: *Crystal-Chemistry of Talc*

Wiewióra A., Drapała J., Pérez-Rodríguez J.L., Pérez -Maqueda L.A., Grabska D.: *Effect of Sonication on Sructure and Particles Division of Pyrophyllites*

POSTERS

Chaari I., Fakhfakh E., Hachani M., Chakroun I., Alouani R., Medhioub M., Jamoussi F.: *Potentialities of Pliocene Clays from Menzel Temime Region (Northeast of Tunisia) for Bricks and Ceramic Faiences Fabrications*

Fakhfakh E., Chaari I., Medhioub M., Rocha F., Gomes C., Marques J., Coroado J., Galindo A.L., Zargouni F, Jamoussi F.: *Tunisian Smectitic Clays as Raw Materials for the Production of Light Weight Aggregates*

Fakhfakh E., Chakroun I., Chaari I., Medhioub M., Rocha F., Gomes C., Galindo A.L., Fouad Zargouni F., Jamoussi F.: *Chemical and Physical Characterization of Some Tunisian Smectitic Clays for Human Healing Use*

Konta J.: *Clay Minerals Including Related Phyllosilicates: Interdisciplinary Research and Inward Integration*

Kozłowska A.: *Diagenetic Kaolinite in the Carboniferous Sandstones in the Lublin Trough (Poland)*

Krinari G.A., Khramchenkov M.G.: *Distinctions between Smectite - Mica and Mica - Mica Transformation: the Reasons, Gears and Applications*

Kuberska M.: *Clay Minerals as Temperature Indicators of the Burial History of the Rotliegend Rocks (Poland)*

Kudaikulova G.A., Strauss H., Koeckritz V.: *The Kazakhstan Clay for Drilling Muds*

Mank V.V., Melnyk L.N.: *Using Palygorskite for Purifying the Aqueous-Alcoholic Solutions*

Novák J.K. , Melka K., Ulrych J., Řanda Z.: *Phonolite Weathering Profiles at Mariánská Hora Hill, České Středohoří Mts., and Sorption Properties of Clay Residues*

Martynková G.S., Weiss Z., Valášková M.: *Utilization of Clay Surfactants for Intercalation with Polymeric Compounds*

Vaculíková L., Plevová E., Martinec P.: *Identification of Clay Minerals and Micas in Sedimentary Rocks*

Zanelli R., Egli M., Fitze P., Giaccai D., Mirabella A.: *The Influence of Laurophyllous Species, Chestnut and Native Vegetation on Geochemistry and Clay Minerals in Soils in Southern Switzerland and Northern Italy*