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Friday 24th PM

Room B4

S08: Advances in the Geochemical and Isotopic Analyses of Fluid Inclusions in Ore Mineralizing Systems

Session chaired by Jochen Kolb

- 14:00 **KEYNOTE:** *In situ* Fluid Inclusion Analysis; Why Bother?
A641 Mavrogenes J
-
- 14:30 Extreme Fractionation of Low Salinity Magmatic Fluids
A1142 Yardley B, Banks D & Vry V
-
- 14:45 Fluid Composition in Veins of the Outokumpu Drilling Site, Finland
A921 Sharif L, Kolb J & Meyer M
-
- 15:00 Femtosecond Laser Ablation ICP-MS of Fluid Inclusions: Validation and Prospects
A192 Courtieu C, Guillaume D, Salvi S & Freyrier R
-
- 15:15 Using Pb Isotopic Analyses of Fluid and Melt Inclusions to Trace Sources of Cu-Au Porphyry Deposits
A382 Harris C, Pettke T, Heinrich C & Kleine T
-
- 15:30 Study on Fluid Inclusions of Cu-Au Skarn Deposits in the Tongling Region, Anhui Province
A1132 Xie J & Yang X
-
- 15:45 Origin and Application of GOI Data of Oil Inclusions in Structurally Complex Junggar Basin (NW China)
A142 Cao J, Jin Z, Hu W, Xie L & Yao S
-
- 16:00 Revised Petroleum Migration History in the Nanbaxian Area of the Northern Qaidam Basin (NW China): Constraints from Oil-Bearing Fluid Inclusion Analyses
A592 Liu Y, Yang S, Hu K & Peng X
-



Friday 24th PM

Room A3

S20: The Early Atmosphere and Hydrosphere

Session chaired by Harald Strauss & James Farquhard

- 14:00 Methane Oxidation, BIF Carbonates and Glaciation during the Earliest Paleoproterozoic
A132 *Bulusu S & Das Sharma S*
-
- 14:15 Gradual Rise of Atmospheric Oxygen between 2.5 and 2.0 Ga Revealed by Fe Oxidation Kinetics
A697 *Murakami T, Sreenivas B, Das Sharma S & Sugimori H*
-
- 14:30 Bistability of Atmospheric Oxygen and the Great Oxidation
A337 *Goldblatt C, Lenton T & Watson A*
-
- 14:45 Diagenetic Evolution of the Hooggenoeg Formation: Implication for Archean Seawater Composition
A855 *Rouchon V, Orberger B, Hofmann A & Pinti DL*
-
- 15:00 Si Isotopes as a Clue for Understanding Eoarchaeon Silicifications
A3 *Abraham K, Opfergelt S, Cardinal D, Hofmann A, Foley S & André L*
-
- 15:15 Unravelling the Sources of Silica in Early-Archaean Cherts with Silicon Isotopes
A1054 *van den Boorn S, van Bergen M, Vroon P & Nijman W*
-
- 15:30 Micro-Scale Oxygen Isotopic Variation in 1.9 Ga Gunflint Cherts: New Constraints on their Paleo-Environmental Significance
A622 *Marin J, Chaussidon M & Robert F*
-
- 15:45 Negative Sulfate ¹⁷O Anomalies as Positive Evidence for "Snowball Earth" Hypothesis
A59 *Bao H*
-



Friday 24th PM

Room A1

S25: Mantle Processes and Properties on Multiple Scales: Observation, Experiment, Modeling

Session chaired by Taras Gerya & Ashima Saikia

- 14:00 Insights into Refertilization Processes in Lithospheric Mantle from Integrated Isotopic Studies in the Lherz Massif
A563 *Le Roux V, Bodinier J-L, Alard O, Wieland P & O'Reilly SY*
-
- 14:15 Are "Constant" Trace Element Ratios in Oceanic Basalts Really Constant?
A1106 *White W*
-
- 14:30 Independent Component Analysis of Isotopic Compositions of Oceanic Basalts
A433 *Iwamori H & Albarede F*
-
- 14:45 Oceanic Basalts Geochemical Heterogeneities Distribution in Four Large Scale Domains Supporting a First Order Two Large Cells Whole Mantle Convective Structure
A597 *Loubet M*
-
- 15:00 Time-Space Migration of Melting within the E-Atlantic Plume and Magmatism in Portugal: U-Pb Ages and Pb-Sr-Hf Isotopes
A351 *Grange M, Schärer U, Girardeau J & Cornen G*
-
- 15:15 Sub-Segment Scale Mantle Heterogeneity beneath the Mid-Atlantic Ridge Near Ascension Island from Combined Hf-Nd-Sr Isotope Evidence
A766 *Paulick H, Müunker C & Haase K*
-
- 15:30 Thermodynamic Price Tags for a Wet Mantle
A1046 *Ulmer G & Woermann E*
-
- 15:45 Oxygen Fugacity in the Laboratory and in Terrestrial Systems
A1122 *Woermann E, Ulmer GC, Eriksson G & Saxena SK*
-
- 16:00 Ferric Iron in Clinopyroxene from the Garnet Peridotite Facies: Systematics and Partitioning Behaviour
A1127 *Woodland A*
-
- 16:15 Plastic Deformation of Orthoenstatite and the Ortho- to High-P Clinoenstatite Transition Studied by Atomistic Simulation
A438 *Jahn S & Martonak R*
-
- 16:30 Textural and Microstructural Analysis of Rapidly Grown Omphacite from Eclogite Facies Pseudotachylytes
A801 *Pollok K, Heidelberg F, Langenhorst F & John T*
-
- 16:45 Aluminum Diffusion and Al-Vacancy Association in MgO
A1057 *Van Orman J, Li C, Crispin K & Fei Y*
-



Friday 24th PM

Room A4

S28: Siderophile and Chalcophile Trace Elements in the Earth's Mantle

Session chaired by Gerhard Bruegmann
& Thomas C. Meisel

- 14:00 *KEYNOTE: Do Orogenic Peridotites Preserve Platinum-Group Element Systematics of Mantle Melting Processes?*
A595 *Lorand J-P*
-
- 14:30 *Os Isotope and PGE Evidence for Major Disruption and Addition to the Lithospheric Mantle: A Study of Peridotites from the Premier Mine, Kaapvaal Craton, SA*
A687 *Morel M, Pearson D, Luguet A & Davies G*
-
- 14:45 *Platinum-Group Elements in Mantle Xenoliths from the Kaapvaal Craton*
A614 *Maier W, McDonald I, Peltonen P, Barnes S-J, Gurney J & Hatton C*
-
- 15:00 *Re-Os Depth Profile of the Upper Mantle beneath Central Europe*
A4 *Ackerman L, Puchtel IS, Walker RJ & Jelínek E*
-
- 15:15 *Fractionation of HSE during Melt Transport Processes in Supra-Subduction Mantle*
A64 *Batanova V, Bruegmann G, Savelieva G & Sobolev A*
-
- 15:30 *Pt-Re-Os Isotope and HSE Systematics of Belingwe Komatiites*
A812 *Puchtel I, Brandon A, Walker R & Nisbet E*
-
- 15:45 *Highly Siderophile Element (HSE) Compositions of Gakkel Abyssal Peridotites: Effects of Serpentinization and Constraints on Accretion Processes in Early Earth*
A587 *Liu C, Snow J, Hellebrand E & Brüggmann G*
-
- 16:00 *PGE Distributions in Mesoarchean Chromitites and Mafic-Ultramafic Rocks in the Singhbhum Craton (India): Evidence for Presence of a Subchondritic Source Mantle Domain*
A680 *Mondal S*
-
- 16:15 *Platinum Group Element Contents of the Kop Chromitites and its Possible Sources, (NE Turkey)*
A506 *Kolayli H, Arslan M & Cifci E*
-
- 16:30 *Distribution of Platinum-Group Element and Minerals within the Chromitites of Tauride Ophiolite Belt (Pozanti-Karsanti, Pinarbasi, Mersin), Southern Turkey*
A518 *Kozlu-Erdal H*
-
- 16:45 *PGE Geochemistry, Mineralogy and Os-Isotope Signature in the Mantle-Hosted Ophiolitic Chromitites from the Kahramanmaraş Area, SE-Turkey*
A1049 *Uysal I, Zaccarini F, Garuti G, Meisel T, Tarkian M & Sadiklar MB*



Friday 24th PM

Room A2

S36: Formation and Evolution of Granitic Magmas

Session chaired by Stefan Jung

- 14:00 **KEYNOTE:** Tracing the Lost Arcs: Granitic Zircon as a Geodynamic Indicator?
A476 *Kemp A, Hawkesworth C, Collins W & Shimura T*
-
- 14:30 Zircon and Whole-Rock Hf Isotope Constraints on the Petrogenesis of Transhimalayan Plutonic Rocks
A174 *Chu M-F, Chung S-L, O'Reilly SY, Pearson NJ, Li X-H & Wu F-Y*
-
- 14:45 Zircon U-Pb Age, Hf and O Isotope Insight into Origin of Neoproterozoic Granitoids in South China
A1168 *Zheng Y-F, Zhang S-B & Wu R-X*
-
- 15:00 Baijuhuajian A-Type Granites in the Western Zhejiang Province, SE China: Geochemical and Zircon U-Pb and Hf Isotope Compositions and Tectonic Implications
A1126 *Wong JP-M, Sun M, Xing G, Zhao G, Xia X, Wong K, Li L, Li X, Wu F & Yuan C*
-
- 15:15 **INVITED:** Infracrustal and Supracrustal Granites – The Nanjing Separation
A160 *Chappell B & White A*
-
- 15:30 Interrogating a Paleo-Cratonic Margin – The Peruvian Cordillera Oriental Batholiths
A672 *Miskovic A, Schaltegger U & Kosler J*
-
- 15:45 Geochemistry of I-Type Granodiorite and Tin-Bearing S-Type Granites from Gouveia Area, Central Portugal
A709 *Neiva A*
-
- 16:00 The 940-864 Ma Granites of the Yenisey Ridge and Taimyr Foldbelts, Western Margin of the Siberian Craton: Geochemistry and Geodynamics
A1064 *Vernikovskaya A, Vernikovsky V & Yasenev A*
-
- 16:15 Geochemistry of Microgranular Enclaves and Host Granodiorite from Oledo, Central Portugal
A31 *Antunes I, Neiva A & Silva M*
-
- 16:30 Processes and Sources during Late Variscan Dioritic-Tonalitic Magmatism (Gesiniec Intrusion, Bohemian Massif)
A790 *Pietranik A & Waight T*
-
- 16:45 Is Dehydration Melting Responsible for the Evolution of High-K Granitic Melts throughout the Precambrian?
A491 *Kleinhanns IC, Nolte N, Baero W & Hansen BT*
-



Friday 24th PM

Room A5

S42: Isotopic Connections between Metamorphism and Magmatism in Subduction Zones

Session chaired by Horst Marschall & Robbie King

- 14:00 Heavy Lithium in Subducted Slabs
A625 Marschall H, Pogge von Strandmann P, Seitz H-M & Elliott T
-
- 14:15 **KEYNOTE:** Tracking Subduction Zone Fluxes off Slabs, Across Arcs, and into the Mantle: B-Li Isotopic Evidence
A863 Ryan J
-
- 14:45 **INVITED:** Li Isotope Fractionation in the Subducted Slab – A Case Study from the Raspas Complex, Ecuador
A370 Halama R, John T, Schenk V, McDonough WF & Rudnick RL
-
- 15:00 **INVITED:** What the Nonsberg-Ultental Region Tells us About Subduction Zones
A1041 Tumiati S, Godard G & Martin S
-
- 15:15 Hf, Sr, Nd and Pb Isotopes in Primitive Tongan Lavas: Constraining Mobility in Slab Fluids
A198 Dale C, Macpherson C, Pearson G, Nowell G, Hammond S & Arculus R
-



Friday 24th PM

Room C1

S52: Novel Molecular & Isotopic Approaches in Modern and Paleo Systems

Session chaired by Enno Schefuss & Josef Werne

- 14:00 **KEYNOTE:** Development and Application of Novel Organic Proxies
A905 *Schouten S, Weijers J, Peterse F, van der Meer M & Sinninghe Damste J*
-
- 14:30 Purification of Sterols and Alkenones for Compound Specific Hydrogen Isotopic Analysis using HPLC
A950 *Smittenberg R, Schwab V & Sachs J*
-
- 14:45 Comparison of $\delta^{13}\text{C}$ and δD Values of N-Alkanes from Angiosperms and Gymnosperms in Western Europe
A770 *Pedentchouk N, Wagner T, Jones M, Pellegrini M, Brugnoli E, Lauteri M, Pollegioni P & Behling H*
-
- 15:00 C32 N-alkan-1-ol as Specific Indicator of C_4 Tropical Plants in Marine Sediments
A276 *Ferrer M, Grimalt J & Spangenberg JE*
-
- 15:15 A 23,000 Year Molecular Isotopic Record of Variability in SE African Vegetation and Hydrology from Lake Malawi
A150 *Castaneda I, Werne J, Johnson T & Filley T*
-
- 15:30 Stable Nitrogen Isotopic Composition of Amino Acids: Implications for Aquatic Food web Studies
A170 *Chikaraishi Y, Kashiyama Y, Ogawa N, Kitazato H & Ohkouchi N*
-
- 15:45 Reconstruction of the Past Biogeochemical Cycles Based on Compound-Specific N and C Isotopic Analyses of Sedimentary Porphyrins
A466 *Kashiyama Y, Ogawa NO, Chikaraishi Y, Nomoto S, Tada R, Kitazato H & Ohkouchi N*
-
- 16:00 Continental Paleotemperature Reconstructions: Distribution of GDGTs in a Variety of Lakes
A1163 *Zhang Z, Bradley R & Petsch S*
-
- 16:15 **KEYNOTE:** The Magnitude of Ocean Warming during the PETM: Implications for Forcing and Climate Sensitivity
A1150 *Zachos J, McCarren H, Bohaty S, John C, Sluijs A, Brinkhuis H, Sinninghe Damste J, Schouten S & Sloan L*
-



Friday 24th PM

Room C4

S62: Geochemistry of Biominerals

Session chaired by Erika Griesshaber & Dorrit Jacob

- 14:00 Computer Modelling of Organic/Biomineral Interfaces
A214 de Leeuw N
-
- 14:15 Towards an Understanding of Biosilicification Mechanisms:
Nucleation of Amorphous Silica on Organic Surfaces
A1081 Wallace A & Dove P
-
- 14:30 Magnetite in Bacteria: A FMR Study
A281 Fischer H, Warthmann R & Gehring A
-
- 14:45 **KEYNOTE:** Geochemistry of Fossil Bones and Teeth –
Reconstruction of Past Environments
A1043 Tütken T
-
- 15:15 Ultrastructure of Bone: Hollow Apatite Crystals, Solution
Chemistry and Organic Inhibitors
A909 Szwarcz HP
-
- 15:30 Bone Oxygen Isotope Profiles (SIMS, Micromill) – Implications
for Archosaur Growth and Biomineralization
A1043 Tütken T, Rollion-Bard C & Sander M
-
- 15:45 Architecture of Phosphatic and Calcitic Brachiopod Shell
Materials – A Comparison
A893 Schmahl W, Merkel C, Griesshaber E, Kelm K & Lueter C
-
- 16:00 Trace Elements in Foraminiferal Calcite: New Understanding
Based on *in situ* Analysis
A895 Schmidt DN & Kasemann S
-
- 16:15 Amorphous Components in the Shell Material of the Brachiopod
Megerlia Truncata
A354 Griesshaber E, Kelm K, Schmahl W & Sehrbrock A
-
- 16:30 Processes of Biomineralization in Freshwater Cultured Pearls
A434 Jacob D, Soldati A & Wehrmeister U
-
- 16:45 Mother-Of-Pearl: Architecture and Possible Formation Mechanism
A659 Metzler R, Zhou D, Abrecht M, Coppersmith S & Gilbert P
-



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Friday 24th PM

Room C3

S73: Advances in using Isotopic Tracers for Groundwater Studies

Session chaired by Don Porcelli & David Hilton

- 15:15 Use of Multiple Tracers for Studying the Inter-Relationships between Climate and Recharge Conditions of Groundwater in a Region of France: The Past Half-Millennium
A188 *Corcho Alvarado J, Barbecot F, Purtschert R, Aeschbach-Hertig W & Kipfer R*
-
- 15:30 Excess Air as a Potential Tracer for Paleohydrological Conditions
A497 *Klump S, Grundl T, Purtschert R & Kipfer R*
-
- 15:45 Constraining Groundwater Residence Times in a Fractured Aquifer using Noble Gas Isotopes
A813 *Purtschert R, Love A & Beyerle U*
-
- 16:00 Osmium Groundwater Flux from the Bengal Basin: Implications for the Osmium Marine Budget
A766 *Paul M, Reisberg L, Vigier N, Zheng Y & Charlet L*
-
- 16:15 Isotopic and Trace Element Evidence for Groundwater Discharge in the Coastal Zone
A990 *Swart P, Stalker J & Price R*
-
- 16:30 Detecting the Origin of Saline Solutions in Salt Deposits of the German Zechstein Basin
A488 *Klaus J, Hansen B & Beer W*
-
- 16:45 A U-Series Study on Groundwaters from Southwestern France
A429 *Innocent C & Négrel P*
-



Friday 24th PM

Room C3

**S74: The Impact of Plants on Earth-Surface Cycling
and Preservation of Elements**

Session chaired by Oliver Chadwick

- 14:00 The Climatic and Biotic Thresholds on Soil Elemental Cycling
along an Arid to Hyperarid Rainfall Gradient
- A22 *Amundson R, Ewing S, Michalski G, Thiemens M, Kendall C,
Nishiizumi K, McKay C & Chong G*
-
- 14:15 'Green' Geosequestration: Secure Carbon Sequestration via Plant
Silica Biomineralisation
- A985 *Sullivan L & Parr J*
-
- 14:30 Modelling the Biospheric Influence on the Weathering of Silicate
Rocks in an EMIC
- A34 *Arens S & Kleidon A*
-
- 14:45 A Geochemical Approach to Formation of the Tinaztepe Cave
Soil, Seydisehir, Konya, Turkey
- A1013 *Temur S*
-
- 15:00 Vegetation Regulates Dissolved B in Forested Watershed
- A176 *Cividini D, Lemarchand D, Boutin R & Chabaux F*
-



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Friday 24th PM

Room C2

S82: Time-Scales and Rates of Climate Change

Session chaired by Gisela Winckler
& Sujoy Mukhopadhyay

- 14:00 **KEYNOTE:** Orbital Forcing, Timescales, and the Pacing of Global Glaciations
A822 Raymo M, Lisiecki L, Kawamura K & Costanza B
-
- 14:30 Geochemical Variability in Deep-Sea Sediments of the Eastern Equatorial Pacific: Foundation for Orbital-Based Chronology Since the Late Miocene
A1095 Weber ME, Rolf C & Ricken W
-
- 14:45 Atlantic Cold-Water Spells into the Mediterranean Caused the Abrupt Changes in the Levant's Post-Glacial Hydrology and Human-Culture Development
A970 Stein M & Yeichieli Y
-
- 15:00 Stalagmite Records of Tropical Pacific Climate Since the Last Glacial Maximum
A760 Partin J, Cobb K, Adkins J & Clark B
-
- 15:15 U-Pb Dating of Stable Isotope Records in Alpine Speleothems from the Late Pliocene/early Pleistocene
A179 Cliff R, Meyer M & Spoetl C
-
- 15:30 **KEYNOTE:** The Importance of Constant Flux Proxies in Paleoclimatology
A292 Frank M
-
- 16:00 **INVITED:** Sedimentary ^{232}Th as a Tracer of Dissolved Detrital Inputs to the Ocean
A844 Robinson L, Noble T & McManus J
-
- 16:15 **INVITED:** ^3He from Extraterrestrial Dust as a Constant Flux Proxy: Estimation of the Present-Day Flux
A290 Fourre E & Jean-Baptiste P
-
- 16:30 Large ^{14}C Age Offsets between Fine Aragonite Fraction and Coexisting Planktonic Foraminifera in Shallow Caribbean Sediments
A917 Sepulcre S, Tachikawa K, Vidal L & Bard E
-
- 16:45 Possible Paleo-Climatic Record from Fossil Hydrothermal Systems in the Ross Sea Area, Antarctica
A199 Dallai L & Burgess R
-



Friday 24th PM

Room B2

S90: Trace Element Interactions with Sulfur Species in Reducing Environments

- 14:00 *KEYNOTE: Metal Sulfide Complexing – What we Know and What we Should Know*
A919 *Seward T*
-
- 14:30 Seasonal Dynamics of Molybdenum in a Permanently Anoxic Lake
A1070 *Viollier E, Thiam A, Alberic P, Ciglencecki-Jusic I & Jezequel D*
-
- 14:45 Sulfur Speciation and Metal Transport in Surface Geothermal Waters
A624 *Markusson SH, Stefansson A & Gunnarsson I*
-
- 15:00 Importance of Thioarsenates for Arsenic Redox Processes along Geothermal Drainages, Yellowstone National Park
A795 *Planer-Friedrich B, London J, Wallschläger D, McCleskey B & Nordstrom K*
-
- 15:15 Microbial Reduction of Arsenate with Sulfide as Electron Donor at Neutral pH
A313 *Geelhoed J & Stams A*
-
- 15:30 Methylated Arsenic-Sulfur Compounds in Ground Water
A1083 *Wallschläger D & London J*
-
- 15:45 Calculating the Stability, Raman and UV Spectra and Acidity of As Sulfides in Aqueous Solution
A1033 *Tossell J, Zimmermann M & Helz G*
-
- 16:00 Arsenic Uptake and Release on Sulfide Nanoparticles
A833 *Renock D, Utsunomiya S, Gallegos T, Hayes K, Ewing R & Becker U*
-
- 16:15 Distribution and Redox Status of Arsenic in Framboidal Pyrite from Estuarine Sediments
A713 *Neumann T, Scholz F, Kramar U, Simon R & Mangold S*
-
- 16:30 Precipitation and Aggregation of ZnS Nanoparticles in the Presence of Low-Molecular Weight Organic Acids
A419 *Hsu-Kim H*
-
- 16:45 Formation of Copper Sulfide Nanoparticles in a Flooded Soil: Potential for Colloid-Facilitated Transport of Contaminants
A1094 *Weber F-A, Voegelin A, Kaegi R & Kretzschmar R*
-



Friday 24th PM

Room B1

S95: Metal Oxide Surface Reactivity from the Nano to Macro-Scale

Session chaired by Moira Ridley & Willem van Riemsdijk

- 14:00 *MEDALLIST LECTURE: A Geochemists View of Environmental Science at the Molecular Level*
A125 *Brown, Jr. GE*
-
- 14:30 Interactions between Inorganic Ions, Natural Organic Matter and Iron Oxides: Effects of Particle Size and Charge Distribution
A1102 *Weng L, van Riemsdijk W & Hiemstra T*
-
- 14:45 Modeling Glyphosate and Metal-Glyphosate Speciation at Solution-Mineral Interfaces
A449 *Jonsson C, Loring J, Persson P & Sjöberg S*
-
- 15:00 Ferrihydrite in Porous Media – An Inner-Sphere Complexation and Transport Approach to Describe Multiple Reactions and Predict Colloid Mobilization
A411 *Hofmann A & Liang L*
-
- 15:15 Temperature-Programmed Desorption of Oxalate from the Goethite Surface
A105 *Boily J-F, Szanyi M & Felmy A*
-
- 15:30 Reconciling Potentiometric Titration and Second Harmonic Generation Measured Diffuse Layer Potential of an Aqueous Silica Suspension
A142 *Campen RK, Pymmer AK, Nihonyanagi S & Borguet E*
-
- 15:45 Electrokinetic Potentials of Metal Oxides in Highly Concentrated Electrolyte Solutions
A515 *Kosmulski M & Rosenholm JB*
-
- 16:00 Comparison of TiO₂ and SnO₂ (100) and (110) Hydrated Surfaces via Molecular Modeling
A529 *Kubicki J, Bandura A & Sofo J*
-
- 16:15 Adsorption and Dynamics of Ions at Rutile and Cassiterite Surfaces
A808 *Predota M, Vlcek L, Machesky M, Wesolowski D & Cummings P*
-
- 16:30 Surface Charge, Ion Adsorption and Molecular Dynamics at the Alfa-SnO₂/water Interface
A851 *Rosenqvist J, Vlcek L, Mamontov E, Machesky M, Cummings P & Wesolowski D*
-
- 16:45 The Rutile (110)-Electrolyte Solution Interface to 250C: A Surface Complexation Synthesis of Titration, *ab initio*, MD and X-Ray Spectroscopic Results
A609 *Machesky M, Ridley M, Wesolowski D, Palmer D, Predota M, Vlcek L, Kubicki J, Sofo J, Bandura A & Zhang Z*



Friday 24th PM

Room B6

G07: Environmental Geochemistry/Mineralogy

Session chaired by Hans Ruppert

- 14:00 Changes in Soil Reactive Aluminium Fractions Following Logging in Podzols of British Columbia, Canada
A349 *Grand S & Lavkulich L*
-
- 14:15 Distribution of Mercury in Soil Near Idrija Mercury Mine, Slovenia
A1028 *Tomiyasu T, Matsuyama A, Imura R, Horvat M, Kotnik J, Kocman D & Fajon V*
-
- 14:30 Contribution of Two Main Smelters on Urban Soils Pollution in Northern France Investigated by Lead Isotopes
A785 *Philippe S, Courcot L, Douay F, Pruvot C, Waterlot C, Caillaud J & Dörr W*
-
- 14:45 Impact of Earthworms on Metal Mobility and Availability
A758 *Parry S, Ashton H & Hodson ME*
-
- 15:00 The Reactivity of Raw and Incinerated Mammalian Bone in the Presence of Aqueous Metals
A246 *Dybowska A, Valsami-Jones E & Manning D*
-
- 15:15 Hardpan Formation in Mine Tailings: Reactive Transport Modelling of Column Experiments
A650 *Meima J, Graupner T & Rammlmair D*
-
- 15:30 Dust Chemistry and Accumulation Rate in a Long-Term Full-Scale Heater Test at Yucca Mountain, Nevada, USA
A626 *Marshall B & Peterman Z*
-
- 15:45 Tracking Mobile Niobium in the Boreal Environment with a "Multi-Survey" Approach
A773 *Peltola P, Åström M, Virtasalo J, Kotilainen A & Salminen R*
-
- 16:00 Chemical Weathering Processes in Sub-Saharan Africa: Evaluating Controls at Different Spatial and Temporal Scales
A221 *de Villiers S, Rossouw R & Fish N*
-
- 16:15 Formation of High Alumina Phases in Sediments and Soils of Different Ages Without Inherited Weathering Products
A860 *Ruppert H & Grathoff G*
-
- 16:30 Hydrogen Generation at Clay Minerals of Sandstone Cements
A468 *Kassahun A, Hoffmann M & Hoth N*
-
- 16:45 Geochemical Hazard by Coal-Ash from a Coal-Based Thermal Power Plant in Kolaghat, West Bengal, India
A617 *Mandal A & Sengupta D*
-



Friday 24th PM

Room B3

G10: Hydrology/Hydrogeochemistry

Session chaired by Herbert Palme

- 14:00 Trace Element Distributions in Hydrothermal Quartz: Fluid or Structural Control?
A451 *Jourdan A-L, Vennemann T, Mullis J, Ramseyer K & Spiers C*
-
- 14:15 Long-Term Changes in Water Chemistry of Crater Lakes of Kusatsu-Shirane Volcano, Japan
A483 *Kikawada Y, Inoue A, Ikehata K & Oi T*
-
- 14:30 Did Hydrothermal Fluids Contribute to the Huge Úrkút Manganese Ore Body?
A801 *Polgári M, Hein JR, Toth M, Vigh T & Biro L*
-
- 15:00 Geological and Mineralogical Studies of Hydrothermal Alterations (Alunitization and Kaolinitization) in North of Isfahan (Kesheh Area)
A992 *Taghipour B, Noorbehesht I & Mackizadeh MA*
-
- 15:15 Influence of Water – Rock Interaction on the Chemistry of Surface Water in Volcanic Areas
A24 *Anazawa K, Tomiyasu T, Sakamoto H & Ohmori H*
-
- 15:30 Weathering over a Large Range of Erosion Solid Products: Insights from Amazon River Depth-Samplings
A112 *Bouchez J, Gaillardet J, France-Lanord C, Galy V & Maurice-Bourgoin L*
-
- 15:45 Geochemical Variation and Residence Time of Groundwater in Mt.Fuji Area, Central Japan
A929 *Shikazono N*
-
- 16:00 Investigating Empirical Equations of Determining Concentration Time of Flood in Karaj River Basin
A690 *Motamedvaziri B & Aghaei M*
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- 16:15 The Influence of a Method of Sample Preparation on Element Content in Pore Waters of Sediments of Lake Baikal
A581 *Likhoshvay A & Chebikin E*
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- 16:30 Influence of Landscape Type on Trace Metals in Small Boreal Catchments
A95 *Björkvald L, Borg H, Laudon H & Mörth C-M*
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