



Goldschmidt 2007

**Oral and Poster
Presentations**

Thursday August 23rd, 2007



Thursday 23rd AM

Room B3

S07: Limits on Precision, Accuracy and Detection: New Advances in Isotope and Trace Element Geochemistry

Session chaired by Trevor Ireland, Harry Becker
& Carsten Münker

10:15 The Ion Nanoprobe: A New Instrument for Isotopic and Chemical Analysis at the Few-Nanometer Scale

A205 *Davis A, Veryovkin I, Pellin M & Savina M*

10:30 Quantifying the SIMS Structural Matrix Effect

A1109 *Wiedenbeck M*

10:45 Laser Ablation Inductively Coupled Plasma Mass Spectrometry – The Role of the Ion Source for Quantitative Analysis

A385 *Hattendorf B, Wang Z & Günther D*

11:00 Comparison of Laser Ablation and Micromill Sampling Techniques for MC-ICPMS ^{230}Th - ^{234}U - ^{238}U Measurements on Speleothems

A409 *Hoffmann D, Spoetl C & Mangini A*

11:15 Mass Bias: A Comparison of Solution and Laser Ablation MC-ICPMS

A769 *Pearson N, Griffin W, Kuhn H, Alard O, Grant K, Jackson S & O'Reilly S*

11:30 External Accuracy of Laser Ablation U-Pb Zircon Dating: Results from a Test using Five Different Standards

A495 *Klötzli U, Klötzli E, Günes Z & Kosler J*

11:45 *In situ* U/Pb Geochronology of Baddeleyite by LA-ICPMS

A991 *Sylvester P, Tubrett M & Souders K*

12:00 Improved *in situ* Measurements of Lead Isotopes in Silicate Glasses by LA-MC-ICPMS using Multiple Ion Counters

A958 *Souders K & Sylvester P*

12:15 New Insights into the Geochemical Behaviour of W by High Precision Isotope Dilution Measurements

A510 *König S, Münker C & Schuth S*

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Thursday 23rd AM

Room B4

S12: The Geochemistry of Ore Deposits

Session chaired by Sarah-Jane Barnes & Thomas Oberthur

- 10:15 Highly Siderophile Elements in Platinum-Group Element Ore Deposits
A62 *Barnes S-J, Prichard H, Cox R, Fisher P & Godel B*
-
- 10:30 Driekop Platinum Pipe, Bushveld Complex, South Africa: New Insights
A728 *Oberthür T, Rudashevsky NS, Rudashevsky VN, Cabri L, Melcher F, Kocks H, Lodziak J & Klosa D*
-
- 10:45 Chemical Stratigraphy of UG2, Bushveld Complex, SA: Comparison of Analytical Methods
A818 *Rammelmair D, Harazim B, Lorenz H, Stummeyer J & Korte F*
-
- 11:00 Influence of fO_2 on the Precipitation of Fe-Poor Sulfide Minerals
A1123 *Wohlgemuth-Ueberwasser CC, Ballhaus C & Berndt J*
-
- 11:15 Searching for Selenium: *In situ* Measurement in Base Metal Sulfides
A71 *Bédard P, Bernard J & Barnes S-J*
-
- 11:30 Synthetic Melt Inclusion and Quartz-Trap Methods for Determining Pt Solubility in a Mafic Mineral – Halide Melt System at 750C, 400 bar
A378 *Hanley J & Heinrich C*
-
- 11:45 Litho-geochemical Identification of Ni-Cu Mineralised Intrusions using Fertility Analysis
A539 *Lamberg P*
-
- 12:00 Isotope-Geochemical Criterion in Search for the Noril'sk-Type Massive PGE-Cu-Ni Sulphide Ores: Constraints from Pb, Nd and Sr Isotope Data
A782 *Petrov O, Malitch K, Pushkaryov Y & Bogomolov E*
-
- 12:15 A New Genetic Model for the Noril'sk-Talnakh Ni-Cu-PGE Sulphide Deposits
A568 *Li C, Ripley E & Moore C*

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Thursday 23rd AM

Room A5

S17: Impact – From the Nano- to the Macro-Scale

Session chaired by Alexander Deutsch
& Wolf Uwe Reimold

11:30 Upheaval Dome – Impact Approved
A129 *Buchner E & Kenkmann T*

11:45 Geochemical Characteristics of the LB-07A and LB-08A Cores
from the Bosumtwi Impact Structure, Ghana
A185 *Coney L, Ferriere L, Reimold WU, Koeberl C & Gibson R*

12:00 Ivory Coast Tektites, Microtektites, and Glassy Fallback Particles
of the Lake Bosumtwi Impact Crater, Ghana: Geochemical
Differences
A600 *Luetke S, Deutsch A & Glass B*

12:15 **KEYNOTE:** The Late Eocene Chesapeake Bay Impact Structure –
Status of Research, Insights, and Implications
A417 *Horton JW, Gohn G & Powars D*

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Thursday 23rd AM

Room A1

S24: Hidden Reservoirs in the Mantle: Required, Desired, or Superfluous?

Session chaired by Maud Boyet

10:15 *KEYNOTE:* Seismic Constraints on Deep Earth Structure and Mantle Melts

A854 *Rost S*

10:45 Chondrite Barium, Neodymium and Samarium Isotopic Heterogeneity and Early Earth Differentiation

A145 *Carlson R, Boyet M & Horan M*

11:00 Is D'' a Low-Mu Reservoir?

A410 *Hofmann A, Goldstein S & Class C*

11:15 Evolution of the Basal Dense Magma Ocean: The Ultimate Deep Mantle Rug!

A534 *Labrosse S, Hernlund J & Coltice N*

11:30 *INVITED:* The Hidden History of Mantle Depletion: Os Isotopes Reveal a Link between Mantle Depletion and Crustal Growth

A757 *Parman S, Pearson G & Nowell G*

11:45 Further Constraints on Helium Partitioning in Mantle Minerals

A135 *Burnard P, Farley K & Toplis M*

12:00 Sr Isotopic Compositions of Ultra-Deep Inclusions in Diamonds: Implications for Mantle Chemical Structure and Evolution

A769 *Pearson DG, Harlou R, Hayman P, Cartigny P & Kopylova M*

12:15 The most Probable Earth Composition

A442 *Javoy M*

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Thursday 23rd AM

Room A2

S32: Recycling of Lower Continental Crust and Implications for Crustal and Mantle Geochemistry

Session chaired by Roberta Rudnick, Andreas Stracke & Patrick O'Brien

- 10:15 Searching for the Perfectly Removable, Ultrabasic and Dense Lower Crust
A241 *Ducea M*
-
- 10:30 A New, Comprehensive set of Bulk Distribution Coefficients (D's) Governing Partial Melting of Hydrous Metabasalt
A819 *Rapp RP, Yaxley G & Norman MD*
-
- 10:45 **KEYNOTE:** Tectonic Subduction Erosion, Arc Magmatism and the Maintenance of the Continental Crust
A179 *Clift P*
-
- 11:15 Subduction Erosion of Lower Continental Crust: A Mechanism to Produce Chemical Mantle Heterogeneities
A1116 *Willbold M & Stracke A*
-
- 11:30 Differences between Preserved vs. Delaminated Lower Crust: Evidences from the Kohistan arc
A438 *Jagoutz O, Müntener O, Schmidt MW, Ulmer P & Burg J-P*
-
- 11:45 Recycling Deep Cratonic Lithosphere and Generation of Intraplate Magmatism
A307 *Gao S, Rudnick RL, Xu W-L, Yuan H-L, Liu Y-S, Puchtel I, Liu X-M, Huang H & Wang X-R*
-
- 12:00 Archaean Enriched Mantle Reservoir beneath East Indian Shield
A88 *Bhattacharya S, Das P & Saw A*

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Thursday 23rd AM

Room B5

S43: Experimental Studies of the Role of Fluids in Subduction Processes

Session chaired by Jörg Hermann & Roland Stadler

- 10:15 *KEYNOTE*: Fluids, Melts, and Supercriticality in the MSH System and Element Transport in Subduction Zones
A897 *Schmidt MW & Melekhova E*
-
- 10:45 Determining Mineral Solubilities at High Pressures: A New Method Combining Weight-Loss and *in situ* Approaches
A357 *Gross J, Maresch WV & Fockenberg T*
-
- 11:00 Experimental Determination of Ca-Sr Distribution between Zoisite-Fluid and Lawsonite-Fluid
A228 *Doersam G, Liebscher A, Wunder B, Gottschalk M & Franz G*
-
- 11:15 *KEYNOTE*: Rutile Solubility in Albite-H₂O Fluids at High P and T: Implications for HFSE Mobility in Subduction Zones
A620 *Manning C, Antignano A, Wilke M, Schmidt C, Sutton S & Newville M*
-
- 11:45 Accessory Phase Control on the Trace Element Signature of Subduction Zone Fluids
A397 *Hermann J & Rubatto D*
-
- 12:00 Experimental Constraints on Trace Element Fluxes from Slab to Wedge
A101 *Blundy J, Klimm K & Green T*
-
- 12:15 Different Mobility of Nb and Ta along a Thermal Gradient
A226 *Ding X, Sun W, Huang F, Lundstrom C & Li J*
-

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Thursday 23rd AM

Room A4

S45: Volcanic Processes and Volatiles in Island Arcs

Session chaired by A. Shaw & G. Wörner

- 10:15 **KEYNOTE:** Magma Generation and Ascent beneath Arc Volcanoes
A100 *Blundy J, Berlo K & Cashman K*
-
- 10:30 Chlorine Stable Isotopes as a Geochemical Tracer along the Central American and the Izu-Bonin-Mariana Arcs
A61 *Barnes J, Sharp Z & Fischer T*
-
- 10:45 **INVITED:** Silicic Magmas in the Izu-Bonin Oceanic Arc and Implications for Crustal Evolution
A998 *Tamura Y, Kodaira S, Ishizuka O, Kawabata H, Suzuki T, Chang Q & Tatsumi Y*
-
- 11:00 **INVITED:** The Magmatic Plumbing of the Submarine Volcanic Chain of an Oceanic Island Arc Volcano: Long Distance Lateral Magma Transport?
A431 *Ishizuka O, Geshi N, Itoh J, Kawanabe Y & Tsujino T*
-
- 11:15 Volatile Budget of the Kamchatka arc
A1005 *Taran Y*
-
- 11:30 The Effect of fO_2 and Composition on Sulphur Solubility and Speciation in Hydrous Silicate Systems
A494 *Klimm K, Kohn SC, Botcharnikov R & Smith ME*
-
- 11:45 Magmatic Paragonite: Vapour Saturation of Hydrous Arc Magmas at High Pressure?
A696 *Müntener O, Schmidt MW, Ulmer P & Jagoutz O*
-
- 12:00 Experimental Constraints on Fluorine and Chlorine Partitioning in the Pseudosystem Apatite-Silicate Melt-Fluid(s) and Applications to Magmatic Degassing
A1096 *Webster J*
-
- 12:15 **KEYNOTE:** Ascent, Degassing, Crystallization and Eruption of H_2O -Rich Mafic Arc Magma: A Melt Inclusion Perspective
A1082 *Wallace P, Johnson E, Vigouroux N & Delgado Granados H*

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Thursday 23rd AM

Room C1

S55: Stable Isotopes in Environmental Biogeochemistry

Session chaired by Bernhard Mayer

10:15 *KEYNOTE: Biogeochemical Cycling of P: Isotopic Insights into the P-Redox Cycle*

A96 *Blake R*

10:45 *The Intramolecular Carbon Isotopic Composition of Acetate in Peatland Porewaters*

A1018 *Thomas B, Arthur M & Freeman K*

11:00 *Methane and Organic Matter as Sources for Excess Carbon Dioxide in Intertidal Surface Sands: Biogeochemical and Stable Isotope Evidence*

A111 *Böttcher ME, Al-Raei AM, Hilker Y, Heuer V, Hinrichs K-U & Segl M*

11:15 *Carbon and Hydrogen Isotopic Compositions of Petroleum Hydrocarbons to Trace Alteration Processes in Reservoirs*

A1067 *Vieth A, Elias R & Wilkes H*

11:30 *The Freshwater Pearl Mussel: One Species – Several Proxies*

A52 *Baier SM, Schoene BR & Fiebig J*

11:45 *New Productivity in the Eastern Arabian Sea during Winter Monsoon*

A807 *Prakash S & Ramesh R*

12:00 *What Controls Sulfur Isotope Fractionation in Modern Estuarine Sediments?*

A966 *Stam M, Mason P, Laverman A, Pallud C & Van Cappellen P*

12:15 *Sulfur in Tree Rings in Central Europe: A Negative $\delta^{34}\text{S}$ Shift Relative to Regional Pollution Sources*

A725 *Novak M, Peiffer S, Zak K, Jackova I, Buzek F, Erbanova L & Prechova E*

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Thursday 23rd AM

Room C4

S60: Organic Imaging: Biomarkers at the Microscopic Range

Session chaired by Jan Toporski & Volker Thiel

- 10:15 *KEYNOTE*: Imaging of Organic Substances by Time-Of-Flight Secondary Ion Mass Spectrometry (ToF-SIMS): Potentials for Biogeochemistry
A122 *Brock W & Hagenhoff B*
-
- 10:45 Organic Microanalysis by Time-Of-Flight Secondary Ion Mass Spectrometry
A944 *Sjövall P*
-
- 11:00 Detection of Biomarkers in Oils using ToF-SIMS
A937 *Siljeström S, Hode T, Lausmaa J, Toporski J, Thiel V & Sjövall P*
-
- 11:15 *KEYNOTE*: Raman-Spectroscopy – A Powerful Tool for Life- and Material-Sciences
A804 *Popp J*
-
- 11:45 Confocal Micro-Raman Spectroscopy: A Tool for the Allocation of Organic and Inorganic Components in Calcified Biominerals
A405 *Hild S, Schmidt U & Ziegler A*
-
- 12:00 *In situ* Characterizing the Structural and Chemical Evolution of Biopolymers during Advanced Fossilization: From Nature to Experiments
A84 *Bernard S, Benzerara K & Beyssac O*
-
- 12:15 Bacterial Interactions with Solid Substrates: Applications for Microbial Fuel Cells, Carbonate Surfaces and Metal Oxide Reduction
A121 *Bretschger O, Obraztsova A, Sturm C, Zhang L, Gorby Y, Chang IS, Kim BH, Mansfeld F, Nealson K & Luttge A*
-

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Thursday 23rd AM

Room C3

S72: New Isotope Tracers of Chemical Weathering

Session chaired by Bernard Bourdon & Marcus Gutjhar

- 10:15 Quantifying Mineral Aerosol Inputs and the Mobility of "Immobile" Elements in Weathering Studies
A782 *Pett-Ridge J, Derry L & Kurtz A*
-
- 10:30 Variable Calcium Isotopic Fractionation Factor in Natural Carbonated Water
A939 *Sime N & Galy A*
-
- 10:45 The Behaviour of $^{234}\text{U}/^{238}\text{U}$ during Experimental Granite Dissolution
A25 *Andersen M, Bourdon B & Erel Y*
-
- 11:00 The Role of Organic Ligands in Fe Isotope Fractionation during Dissolution of Hornblende
A1092 *Wasylenki L, Anbar A & Brantley S*
-
- 11:15 How can we Trace Fe Isotope Fractionation by Weathering in Soils?
A1109 *Wiederhold JG, Bourdon B & Kretzschmar R*
-
- 11:30 Non-Biological Fractionation of Ca Isotopes in Soils of the Atacama Desert, Chile
A264 *Ewing S, Yang W, DePaolo D & Amundson R*
-
- 11:45 Mobility and Transport of Nd Isotopes during Weathering of Till in a Boreal Forest
A732 *Öhlander B, Land M & Ingri J*
-
- 12:00 Evidence for Stable Strontium Isotope Fractionation during Chemical Weathering
A220 *de Souza G, Reynolds B & Bourdon B*
-
- 12:15 $^{86}\text{Sr}/^{88}\text{Sr}$ Ratio by ICP-MS-MC as a New Tracer of Terrestrial Geochemical Processes
A371 *Halicz L, Segal I, Fruchter N, Lazar B & Stein M*
-

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Thursday 23rd AM

Room B6

S75: Continental-Scale Earth Surface Geochemical Mapping – Recent Progress and Future Directions, Sponsored by IACG

Session chaired by Clemens Reimann
& Martin B. Goldhaber

- 10:15 **KEYNOTE:** Low-Density Geochemical Mapping in Australia: Pilot Projects and Outline of a Continental-Scale Geochemical Survey
A209 *de Caritat P, Lech ME & McPherson A*
-
- 10:45 **KEYNOTE:** The Barents Ecogeochemistry Project – Ecogeochemical Mapping of 1,500,000 km² in NE-Europe
A467 *Kashulina G, Salminen R, Chekushin V, Bogatyrev I, Tenhola M & Niskavaara H*
-
- 11:15 **INVITED:** The Geochemical Atlas of Europe – Continent-Wide Distribution Patterns of Elements
A869 *Salminen R*
-
- 11:30 **INVITED:** Factor Analysis Interpretation of Geochemical Atlas of Europe Data
A222 *De Vos W, Batista M-J, Demetriades A, Pirc S, Albanese S, De Vivo B, Bidovec M & Martins L*
-
- 11:45 A Coordinated Continental and Regional Soil Geochemical Survey of North America
A337 *Goldhaber M, Smith D, Morrison J, Wanty R & Holloway J*
-
- 12:00 Geochemical Mapping of the Collahuasi District, N. Chile: A Pilot Study for a Geochemical Atlas of the Andes
A727 *Oates C, Hart S, Plant J & Vouvolis N*
-
- 12:15 Establishing High Precision Trace Element Maps of the Main Dust Source Areas of Eastern and South-Central Australia
A460 *Kamber B, McGowan H, Marx S & Petherick L*

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Thursday 23rd AM

Room C2

S78: Multi-Proxy Investigations of the Marine Environment

Session chaired by Gilbert Camoin & Martin Frank

- 10:15 The Sources of Nd Isotopes in Arctic Ocean Water
A28 *Andersson P, Porcelli D, Dahlqvist R, Frank M, Björk G & Gustafsson Ö*
-
- 10:30 Nd Isotopes in Bering Strait and Chukchi Sea Water
A196 *Dahlqvist R, Andersson P & Porcelli D*
-
- 10:45 Hafnium and Neodymium Isotopes in Atlantic Ocean Waters
A841 *Rickli J, Frank M & Halliday AN*
-
- 11:00 Nd Isotope Records of the Deep South Atlantic and the Interpretation of Neogene $\delta^{13}\text{C}$ Gradients
A493 *Klevenz V, Vance D, Schmidt D & Mezger K*
-
- 11:15 Benthic Foraminifera as a Novel Substrate for Deep-Water Nd Isotopes
A148 *Carter P, Vance D & Schmidt D*
-
- 11:30 A Multiproxy Approach to Constrain the Origin of the Natural Fertilisation on the Kerguelen Plateau
A443 *Jeandel C, Bourquin M, Bowie A, Bucciarelli E, Chever F, Jacquet S, Lacan F, Sarthou G, van Beek P & Venchiarutti C*
-
- 11:45 Glacial-Interglacial Variations in the $^{87}\text{Sr}/^{86}\text{Sr}$ Composition of Seawater
A679 *Mokadem F, Burton K, Parkinson I, Charlier B & Hathorne E*
-
- 12:00 Stable Strontium ($\delta^{88/86}\text{Sr}$) and U-Th Systematics of Cold-Water Corals as New Proxy for Holocene Changes of the Mediterranean Outflow
A579 *Liebetrau V, Rüggeberg A, Fietzke J, Eisenhauer A, Flögel S, Linke P & Schönfeld J*
-
- 12:15 Phosphorus, Barium and Boron in the Deep-Sea Coral *Desmophyllum dianthus*: Preliminary Calibrations
A22 *Anagnostou E, Sherrell R, Adkins J & Gagnon A*
-

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Thursday 23rd AM

Room B2

S87: Microbial Mineralization: From Environmental Processes to New Technologies

Session chaired by Terry Beveridge, Jon Lloyd
& David Vaughan

- 10:15 **KEYNOTE:** Harnessing Biomineralization: From Cell Factories to Functional Bionanomaterials
A608 *Macaskie L*
-
- 10:45 Investigating the Biogenic Synthesis of Chalcogenide-Based Nanomaterials
A768 *Pearce C, Coker V, Pattrick R, Law N, Charnock J, Lloyd J & Zuckermann R*
-
- 11:00 Bugs with Bling: An Experimental Study of Gold Removal from Solution by Non-Metabolizing Bacterial Cells
A477 *Kenney J & Fein J*
-
- 11:15 Interactions of Heavy Elements with Microorganisms
A734 *Ohnuki T, Yoshida T, Ozaki T, Sakamoto F, Kozai N, Nankawa T, Suzuki Y & Francis A*
-
- 11:30 Nano-Spinel Synthesis using Fe(III)-Reducing Bacteria
A180 *Coker V, Pearce C, Pattrick R, van der Laan G, Telling N, Charnock J, Arenholz E & Lloyd J*
-
- 11:45 Bugs in Stress: Microbial Control of Surface Reactivity in a Stress Field
A982 *Sturm C, Waters M, Arvidson R, El-Naggar M, Goodman S, Neelson K, Luttge A & Udwadia F*
-
- 12:00 A Bacterial Model for Studying Interactions between Microorganisms and CO₂ Injected in the Subsurface
A244 *Dupraz S, Parmentier M, Menez B, Gouze P, Leprovost R & Guyot F*
-
- 12:15 Localization of Hydrocarbon Contamination by Measuring Microbially Induced Changes of Soil Magnetic Properties
A462 *Kappler A, Porsch K, Rijal M-L & Appel E*
-



Thursday 23rd AM

Room B1

S96: Speciation and Reactivity of Trace Elements in Natural Environments

Session chaired by Ruben Kretzschmar & Andreas Voegelin

10:15 *INVITED*: Particle Size Effects on Heavy Metal Distribution, Speciation, and Correlations in Mine Wastes

A483 *Kim C & Rytuba J*

10:30 *INVITED*: *In situ* Arsenic Speciation in Earth Surface Environments: Importance of Iron Oxides

A688 *Morin G, Juillot F, Miot J, Wang Y, Casiot C, Cancès B, Proux O, Calas G & Brown Jr. GE*

10:45 As(V)-Bearing Lepidocrocite and Green Rust Reduction by *Shewanella putrifaciens*: Evidence for Fe(II) Carbonate Hydroxide Formation

A740 *Ona-Nguema G, Morin G, Wang Y, Juillot F, Guyot F, Calas G & Brown, Jr GE*

11:00 Impact of Organic Ligands on Antimony Behavior in Aquatic Systems

A1011 *Tella M & Pokrovski G*

11:15 *INVITED*: How Nanoscience has Changed our Understanding of Environmental Geochemistry

A408 *Hochella M*

11:30 Determination of Trace Metal-Nanoparticle Associations in Contaminated Riverine Systems using Analytical TEM

A386 *Haus K, Jinschek J, Moore J & Hochella M*

11:45 *INVITED*: Role of Natural Nanoparticles (Imogolite and Allophane) on the Mobility of Trace Metals in Soils from La Reunion Island

A564 *Levard C, Rose J, Masion A, Doelsch E, Basile-Doelsch I & Bottero J-Y*

12:00 *INVITED*: Dynamic Metal Speciation Analysis by Stripping Chronopotentiometry at Scanned Deposition Potential (SSCP)

A1034 *Town RM & van Leeuwen HP*

12:15 Mobilisation and Speciation of Depleted Uranium in Water and Soils

A314 *Geipel G, Baumann N, Arnold T, Bernhard G, Gerstmann U, Schimmack K & Read D*

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Thursday 23rd AM

Room A3

G12: Igneous Geochemistry

Session chaired by Herbert Palme

- 10:15 Melt Supply and Magmatic Evolution at a Large Central MOR
Volcano Located in the Lucky Strike Segment
A275 *Ferreira P, Murton B, Dixon J & Boulter C*
-
- 10:30 Geochemical Dynamics in an Active Margin of East Asia:
Implications from the Temporal and Spatial Geochemical
Evolution of Magmatism in Northern Kyushu, SW Japan
A1025 *Tokeshi S, Kobayashi K, Makishima A & Nakamura E*
-
- 10:45 The Origin of Tertiary Intraplate Volcanism in the Siebengebirge
Volcanic Field, Germany
A679 *Moll M, Münker C & Paulick H*
-
- 11:00 Petrogenesis of Delihalil Quaternary Basaltic Volcanism, South
Anatolia, Turkey
A1012 *Temel A, Frei R, Alpaslan M & Kurt MA*
-
- 11:15 Geochemistry and Petrogenetic Significance of Natrocarbonatites
at Oldoinyo Lengai, Tanzania
A475 *Keller J, Zaitsev A & Klaudius J*
-
- 11:30 Geochemistry of Late Mesozoic Lamprophyre Dikes from the
Eastern North China Craton: Implications for Subcontinental
Lithosphere Evolution
A445 *Jiang Y-H, Jiang S-Y, Hou M-L, Ling H-F, Zhao K-D & Ni P*
-
- 11:45 Magma Chamber Processes and Geochemical Aspects of
Megaporphyritic Basic- Intermediate Lava in West Alborz Iran
A682 *Monsef R & Emami MH*
-
- 12:00 Modelling the Geochemical Variation of Granitic Mushes
A400 *Hertogen J & Mareels J*
-