



International Association of GeoChemistry

www.iagc-society.org

THE 10TH APPLIED ISOTOPE GEOCHEMISTRY CONFERENCE (AIG-10)

AIG10 10th Applied Isotope Geochemistry Conference

The Applied Isotope Geochemistry (AIG) Working Group of the International Association of GeoChemistry (IAGC) holds highly successful biennial conferences focused broadly on the emerging field of applied isotope geochemistry and biogeochemistry. The 10th Applied Isotope Geochemistry Conference will be held from September 22 to 27, 2013, in Budapest, Hungary. The venue is the marvelous historical building of the Hungarian Academy of Sciences.

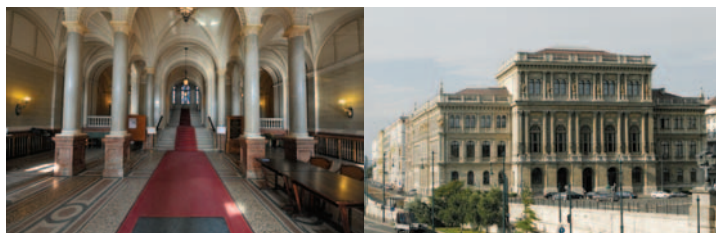
THE FOLLOWING SESSIONS WILL BE HELD:

- Technological achievements and their applications
- Isotope techniques in environmental geochemistry
- Isotope hydrology as a tool for water-supply policy
- Paleoclimatology and paleoenvironmental changes
- Recent applications and developments in dendroisotopes (climate reconstruction, retrospective on pollution, physiology, new isotopes in tree rings)
- Biogeochemistry and ecological applications
- Isotopic tools applied to degradation of organic contaminants (including biodegradation and nonbiotic processes, such as ISCO treatments, passive barriers)
- Applied gas isotope geochemistry
- Isotope geochemistry of sedimentary to high-temperature geological processes
- Ore genesis and hydrocarbon exploration
- Isotopes as tools to interpret the effect of hydraulic fracturing; assessing shale gas production and environmental impact
- Application of isotopic tools to delineate the impacts of conventional (coal, oil, gas) and unconventional (shale gas) energy exploration on the environment
- Use of compound-specific isotopes in addressing organic contaminants in groundwater
- Isotopic tools applied to degradation of organic contaminants
- Nongeoscience applications (archeometry, forensic studies, food authenticity, medical studies, doping investigations, etc.)

Further information can be found at <http://www.aig10.com>.



Conference hall where AIG-10 will be held



Hungarian Academy of Sciences

We hope that many of you will be interested in the meeting and will come to enjoy the relaxed atmosphere, the scientific discussions, and the venue.

IAGC'S NEW VICE-PRESIDENT – IAN CARTWRIGHT



Ian Cartwright of Monash University in Melbourne, Australia, is the IAGC's new vice-president. Ian holds a BSc degree from UCW Aberystwyth and a PhD from the University of Wales. His research interests include the application of isotopes to environmental problems, groundwater chemistry, and groundwater-surface water interactions. Ian will be serving as vice-president until 2014, and we all look forward to working with him!

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ARTICLES

- The spatial variation of initial $^{87}\text{Sr}/^{86}\text{Sr}$ ratios in the Toki granite, Central Japan: Implications for the intrusion and cooling processes of a granitic pluton
TAKASHI YUGUCHI, TADAHIKO TSURUTA, KATSUHIRO HAMA, AND TADAO NISHIYAMA
- Petrology and chemistry of basal lherzolites above the metamorphic sole from Wadi Sarami central Oman ophiolite
MOHAMED ZAKI KHEDR, SHOJI ARAI, AND MARIE PYTHON
- Oxidation states of Fe and precipitates within olivine from orthopyroxene-olivine-clinopyroxene andesite lava from Kasayama volcano, Hagi, Yamaguchi, Japan
TERUMI EJIMA, MASAHIDE AKASAKA, TAKASHI NAGAO, AND HIROAKI OHFUJI

LETTERS

- Iseite, $\text{Mn}_2\text{Mo}_3\text{O}_8$, a new mineral from Ise, Mie Prefecture, Japan
DAISUKE NISHIO-HAMANE, NORIMITSU TOMITA, TETSUO MINAKAWA, AND SACHIO INABA
- An early Paleozoic tectonothermal event in western Mongolia: Implications for regional extension of the Cambrian orogenic belt
MASAAKI OWADA, YASUHIRO OSANAI, NOBUHIKO NAKANO, TATSURO ADACHI, KAZUHIRO YONEMURA, AYA YOSHIMOTO, MADSDAN SATISH-KUMAR, JARGALAN SEREENEN, AND CHIMEDTEIE BOLDBAATAR