



INTERNATIONAL CONFERENCE ON THE GEOLOGY OF THE ARABIAN PLATE AND THE OMAN MOUNTAINS

January 7 to 9, 2012, Sultan Qaboos University, Muscat, Sultanate of Oman

<http://www.geoman2012.com>

Conference Objectives

- 1) To provide a forum for presenting recent research on the geologic framework of the Arabian Plate.
- 2) To encourage the exchange of knowledge, ideas and experiences between scientists regarding the geological evolution of the region.
- 3) To promote the sustainable geological and environmental conservation and development of Arabia.

Venue

The Conference will be held at the Sultan Qaboos University for 3 days.

Conference Activities

Scientific Program

The contributing participants will present their research in a diverse range of thematic sessions. The Program will include oral and poster presentations and excursions. Oral Presentations will include invited papers and papers selected from the submitted abstracts.

Social Program

A series of events and activities for participants and accompanying persons will be announced in the Second Circular.

Language

The official language of the Conference is English. There will be no simultaneous translation.

Weather

January is a wonderful time to visit Oman because the weather at this time is generally excellent. Field trips into the mountains during January can expect temperatures of 20-25°C.

Keynote addresses

International experts will summarize recent developments in the geological understanding of the Arabian Peninsula and the Oman Mountains. We are pleased to announce the following keynote speakers:

1- Robert Stern, University of Texas
"Continental Lithosphere of the Arabian Plate: A Geological and Geophysical Synthesis"

2 - Mike Searle: Oxford University
"Emplacement of the Oman Ophiolite, from Subduction to Foreland Fold-Thrust Belt"

3 - Leroy Sylvie: Paris University
"Structure and Evolution of the Southern Boundary of the Arabian plate: from Rifting to Spreading of the Gulf of Aden"

4 – Alan Heward: Petrogas Rima
"Oil in Oman- the Main Plays So Far"

5 - Adolphe Nicolas: Montpellier University, France
"High-Resolution Mapping in the Omani Ophiolite - Role of Water in Crustal Accretion and at Tips of Segments"

6 – Peter Kelemen: Columbia University
"In Situ Carbonation of Peridotite from Oman for CO2 Capture and Storage"

7- Abdulrahman Alsharhan: UAE University
"Petroleum System of the Middle East"

Technical Sessions Themes

1 - The Arabian Plate Lithosphere and Boundaries

- i- Arabian lithosphere: seismicity, geophysics, tectonics, and petrology
- ii- Arabian Shield: evolution, mineralization, tectonism
- iii- Arabia-Eurasia convergence
- iv- Red Sea and related rifts

2 - The Sedimentary Cover of the Arabian Plate

- i- The sedimentary succession of Arabia
- ii- Origin and significance of major unconformities
- iii – Structural features within the sedimentary cover of Arabia

3 - Hydrocarbon Systems of Arabia

- i- Current status and future trends of the petroleum industry in Arabian states
- ii- Petroleum systems and plays
- iii- Challenges for optimizing recovery
- iv- Gas resources of Arabia
- v- Outcrop analogs for petroleum reservoirs and source rocks

4- Ophiolite Genesis and the Oman Mountains

- i- Geodynamics of the Oman ophiolite and other late Cretaceous ophiolites of SW Eurasia: Mid-ocean ridge or subduction initiation?
- ii-Hydrothermal Processes at Mid-Ocean Ridges
- iii- Chemical and Physical Processes within oceanic magma chambers
- iv Formation of ore deposits related to the Oman ophiolite
- v- Carbonate alteration: Implications for CO₂-sequestration
- vi- Geobiology of oceanic crust formation

5- Environment and Water Resources

- i- Climate Change from a Geological Perspective
- ii- Water resources in Arabia
- iii- Geohazards

- iv- Geoecology
- v- Eolian processes
- vi- Coral reefs

After adjustments in accordance with the submitted abstracts, the full technical schedule will be made available on the conference website.

Field Trips

Please indicate the priority of the field trip(s) you may attend: 1st 2nd 3rd

- (1) Ophiolite section: Fanja-Nakhl (one day): Mike Searle
- (2) Ophiolite section Nakhl-Haylain massifs (2-4 days): Adolphe Nicolas
- (3) The Batian Melange and Jabal Ja'lan (Alkaline magmatic rocks, deep ocean sediments, Mn-Ores, Basement rocks) 3 days: Sobhi Nasir, Salah, Martin Whitehaous
- (4) The Carbonate platform and structural pattern in Jebal Akhdhar and Salakh Arch (2 days): Mohamed Al-Kindi, Mohamed Al-Wardi
- (5) Huqf-Haushi, Iftihkar Ahmed & Abdulrahman Al-harthy

Organizing Committee

Prof. Sobhi Nasir (Chairman), Sultan Qaboos University
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Eiichi Takazawa, Niigata University, Japan
Ghaleb Jarrar, University of Jordan, Jordan
Kylie Prendergast, Mawarid Mining, Oman
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Ru Smith, Petroleum Development Oman
Joachim Amthor, Petroleum Development Oman
Volker Vahrenkamp, ADCO, UAE
M. Asif Khan, University of Peshawar, Pakistan
Frans van Buchem, Maersk Oil, Qatar
Fadhil Al-Sadooni, Qatar University, Qatar
Hamad Al-Saad, Qatar University, Qatar
Martin Whitehouse, Swedish Museum Natural History, Sweden
Edwin Gnos, Conservateur du Muséum d'Histoire naturelle, Switzerland
John K. Warren, Chulalongkorn University, Thailand
Abdulrahman Al-Sharhan, UAE University
Ahmed Murad, UAE University
Sadoon Morad ADOC, UAE
Ihsan Shakir Al-Aasm, ADOC, UAE

Stephen Lokier, ADOC, UAE
Michael P.Searle, Oxford University, UK
Hugh Rollinson, University of Derby, UK
Alan Woolley, Natural History Museum, UK.
Robert Stern, University of Texas at Dallas, USA
Peter Kelemen, Columbia University, USA
Juerg Matter, Columbia University, USA
Christopher Andronicos, Cornell University, USA

Correspondence and abstract submission

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Lodging

Hotel accommodation will be arranged upon request. Hotel rates range from US\$70 to US\$300 per day. More expensive luxury hotels are also available. Limited accommodation will be available on the campus. For more information please visit the following website:
<http://www.destinationoman.com/hotels.html>

Because Oman is extremely busy in January, we kindly recommend you to book your hotel as soon as possible

VISAS and Travel to Oman

For information please visit the following website:
http://www.rop.gov.om/english/dg_passport_visa_tourist.asp

Important Dates

July 2010 : 1st circular and Announcement
Aug 1, 2011 : Deadline for abstract submission
Sep 15, 2011 : Notification of abstract acceptance
Oct 1, 2011 : 2nd circular and Scientific Program
Oct 30, 2011 : Deadline for early registration
Jan 7-9, 2012 : Conference