

AICAC
Final Announcement and Preliminary Conference Program

Dear AICAC Delegate,

The Organizing Committee would like to thank all contributors and other registrants for supporting the conference. A warm Arabian welcome is extended to all attendants of the First Arab Impact Cratering and Astrogeology Conference, which will be held on November 9-11, 2009, at the **University of Jordan in Amman**.

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Conference Registration

A welcome reception and registration will take place on Sunday, 8th of November, between 21:00 and 22:00 p.m. at the Golden Tulip Grand Palace Hotel. The registration desk will also be open on Monday, 9th November, at the conference hall, from 08:30 till 09:00 a.m.

Conference Venue

The conference will be held from 9 to 10 November 2009 on the premises of the University of Jordan in Amman, the Capital City of Jordan. On 9 and 10 November technical sessions will be held at the University of Jordan/Sa'ed Al Mufti Auditorium at the Faculty of Engineering and Technology. The University provides state-of-the-art conference facilities and equipment.

Presenters are requested to visit the speaker-ready room to upload their presentations at least 1 session prior to their own. The speaker-ready room will be located at Sa'ed Al Mufti Auditorium. Those speakers who will present in the first session on Monday, 9 November, should upload their presentations during Sunday evening registration.

For uploading oral presentations a PC computer will be available only. The Word package used will be Microsoft Office PowerPoint version 2003.

The poster presentation will take place in the afternoon of Monday, 9 November, at the Sa'ed Al Mufti Hall. Posters should have a size of 1.25 m high and 1.00 m wide. Posters will be mounted with pins or tape, and this material will be provided by the Organizers. Participants are kindly requested to mount their posters on Monday the 9th between 8 and 9 a.m. Some of the Organizers (staff and students) will be there to help mounting the posters. Wireless internet access at the conference hall is available. Inside the auditorium there is only two internet cables connected.

Conference Program

The preliminary conference program is attached at the end of this circular.

Abstract Volume

Abstracts will be compiled as a hardcopy volume, and a CD will also be prepared for participants. Spare copies of the CD can be obtained at the registration desk for a charge of \$ 20.

Conference Bus Transport

Bus service will be provided between the University of Jordan and the Golden Tulip Grand Palace Hotel. University coaches will transport participants from the hotel to the University of Jordan at 07:45 a.m. on Monday, November 9, and will return to these hotels by 19:00 p.m. each day. Participants will enjoy dinner on 9-10 November at 20:00 (details still to be determined). Bus transportation will be available too.

Closing Ceremony

The closing ceremony will take place at the University of Jordan/Sa'ed Al Mufti Auditorium.

Scientific Excursion

A field trip is planned to the Jabal Waqf as Suwwan impact site on 11 November 2009. This structure is situated 150 km southeast of Amman (ca 4 hours drive). The trip will start from the Golden Tulip Hotel at 7:00 in the morning. Breakfast will be taken at the hotel before departing to Jabal Waqf as Suwwan structure. The lunch-break will be at the crater site, and dinner will be served back in town (details still to be confirmed).

During the field trip, Prof. Salameh and Dr. Kenkmann will provide an introduction to the geology, structure and shock metamorphism features. The return trip to Amman will start around 15:00 in the afternoon. Sufficient drinking water and cool drinks will be supplied.

Important Tips: Participants should bring along a hat, sunscreen, moisturizer if needed, good hiking shoes, and a warm jacket, as it can be a little bit cold in the desert during November.

Post-Conference Excursion

A special tour to the world heritage site at Petra and to the famous Wadi Rum (www.visitjordan.com) will be organized for 12 to 14 November 2009. The trip will start from the Golden Tulip Hotel at 8:00 am on 12 November. Breakfast will be taken at the hotel before departing to Petra/Wadi Rum. Special activities will be held in Wadi Rum in Bedouin tents (welcome party, dinner and overnight). Next day drive to Petra for a full day visit. Accommodation will be at the Golden Tulip Kings' Way (or a place of similar quality; to be finalized). Departure from Petra will be on 14 November morning.

On the way back, the route will lead via Tafileh to the Dead Sea, for those who would like to enjoy a few hours there before coming back to Amman.

Hotel Accommodation in Amman

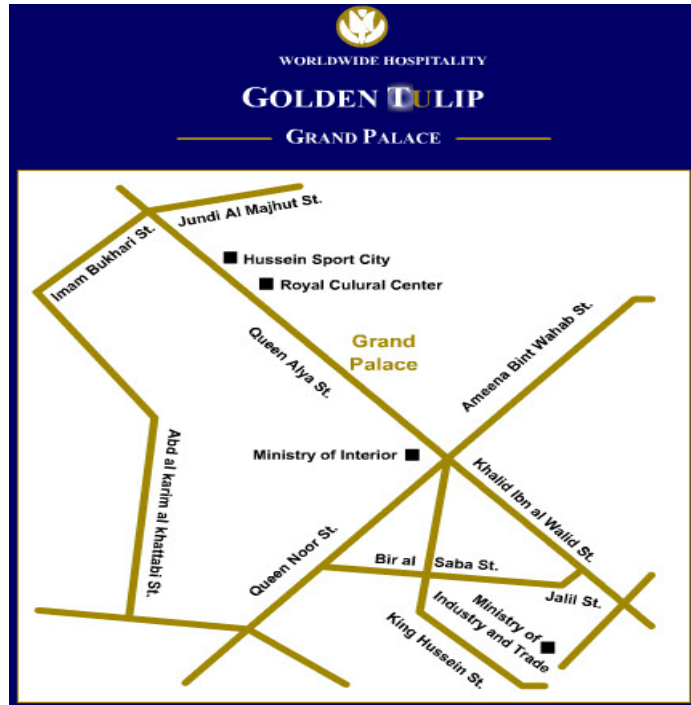
Conference attendants will reside in the **Golden Tulip Grand Palace Hotel**. This 4* hotel is centrally located in Amman's most progressive district, Shumesani, next to the Royal Cultural Center and the Amman Stock Market, and only steps away from the shopping, commercial, and banking centers.

The hotel features 136 large guest rooms with air conditioning, sound-proof windows, sprinklers and smoke detectors, direct line telephone, 30 TV channels including CNN, in-room safe and marble bathrooms. Only Deluxe Rooms have internet access.

Contact information for the Golden Tulip Grand Palace Hotel

Queen Alia Street (Sport City)
P.O. Box 922 444, Amman 11192 Jordan, www.ammangrandpalace.com

Participants will be responsible for their own pre- and post-conference accommodation bookings and touring under their own steam in Jordan (except for the Petra/Wadi Rum excursion).



Hotel Accommodation in Petra

The Golden Tulip Kings' Way (organizer's prime choice but still negotiated) is located next to the famous Moses Springs, 4 km from the amazing rose-red city of Petra. This is a modern 4-Star hotel, equipped with all the facilities and services for your enjoyment and comfort. It welcomes visitors from all over the world in a true tradition of Arabic hospitality.

Contact Information for Golden Tulip Kings' Way

Telephone: +962 3 2156799

Fax: +962 3 2156796

Hotel Website: www.goldentulipkingsway.com

Address: P.O. Box 71 - 71810, Petra

Guest Tour Program

A significant number of guests will accompany conference participants and they may be interested in experiencing some of Jordan's natural and cultural attractions during their visit.

Kindly note that the guests will be responsible for their own expenses during the Guest Tour Program. Local Organizers will cover only the transportation.

Guest Tour 1 - Monday, November 9: A Visit to north Jordan, to the Jerash and Umm Qais area.

Jerash: A close second to Petra on the list of favorite destinations in Jordan, the ancient city of Jerash boasts an unbroken chain of human occupation dating back more than 6,500 years.

Jerash lies on a plain surrounded by hilly wooded areas and fertile basins. Conquered by General Pompey in 63 BC, it came under Roman rule and was one of the ten great Roman cities, the so-called Decapolis League.

Entrance Fee: JD 5.00 or \$ 8.00

Umm Qais: In addition to Jerash and Amman, Umm Qais (modern Gadara) was one of the Decapolis cities, with its unique appeal.

Guest Tour 2 - Tuesday, November 10: A Visit to Mount Nebo and the Dead Sea area.

Mount Nebo: On the highest point of the mountain, *Syagha*, the remains of a church and monastery have been uncovered. The church, discovered in 1933, was constructed in the second half of the 4th century to commemorate the place of Moses' death.

Dead Sea: Without doubt, the world's most amazing place, the Jordan Rift Valley is a dramatic, beautiful landscape, which at the Dead Sea is 422 meters (1,312 ft.) below sea level. The lowest point on the face of the earth, this vast stretch of water receives a number of incoming rivers, including the River Jordan. Once the waters reach the Dead Sea, they are land-locked and have nowhere to go, so they evaporate, leaving behind a dense, rich, cocktail of salts and minerals that supply industry, agriculture and medicine with some of its finest products.

Guests who would like to go to the Dead Sea SPA Hotel (4 stars) to use the beach facilities would be charged around JD 20 or \$ 30 www.jordandeadsea.com Other hotels like [Movenpick Resort & Spa Hotel](#) or [Jordan Valley Marriott Resort & Spa](#) would cost around JD 30 or \$ 50.

Useful Tips

When exploring the ruins, wear sensible clothes and appropriate, comfortable and supportive footwear. Also, during hot weather, wear a hat, sunglasses and keep a supply of fresh (bottled) drinking water with you at all times. If you plan to take a dip in the Dead Sea, bring along bathing-suits and towels.

For further information on Visa Entry, Currency Exchange, Medical Support, Local Weather, Security, etc., please refer to the official website of the Jordan Tourism Board <http://www.visitjordan.com> Under [Visitor Toolbar](#) and the AICAC website under: About Jordan.

The average temperatures during November will be: Highs: 19-22 °C and Lows: 10-11 °C. Decent clothing should be considered specially while touring Down-town Amman.

Final Confirmation of Travel Plans and Logistics Queen Alia International Airport

Kindly note that the airport is currently being renovated and Gates 1 & 8 are currently closed due to the expansion project in the Airport. <http://www.qaia.gov.jo>

- Entry Visa can be obtained upon arrival at the Queen Alia Airport in Amman.
- The cost of one entry visa for all nationalities is JD 10 (around \$14) and for multiple entries it is JD 20 (around \$28).
- Currency exchange is also available at the airport and in the hotel as well.

Delegates, who have communicated their arrival time, will be collected from the airport. Delegates wishing to depart directly after the conference or after the post-conference excursion will be taken to Queen Alia International Airport. **The Local Organizers will arrange the transportation. Upon arrival, staff from the Organizing Committee will be holding a sign 'AICAC'.**

Contact Information

For further information regarding the conference or for conference logistics, please contact:

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- 16:00-16:30** **Keynote Address**
The Structure of the Jebel Waqf as Suwwan Impact Crater
T. Kenkmann et al.
- 16:30-17:50** **Remote Sensing Analysis of Jabal Waqf As Suwwan Meteorite Impact**
M. Khirfan et al.
Waqf As Suwwan Impact, Jordan - Indications On Its Deep Structure
From Geophysical Data
T. Heinrichs et al.
Are there other impact indications relating to the impact site of Waqf as
Suwwan?
E. Salameh et al.
Chert from Jebel Waqf as Suwwan Meteoritic Impact Structure
H. Khoury et al.
- 17:50-19:30** *Poster Session* and refreshments
- 20:00-22:00** **Dinner (the place to be confirmed later)**

Tuesday, 10 November

- 8:30-9:00** **Keynote Address**
Remote Sensing Studies of Impact Structures
A. Crosta
- 9:00-10:40** *Craters in the Arab World*
The Impact Cratering Record of the Arab World: Update and Review
 (to be confirmed) **N. Youbi et al.**
Impact Structures in Algeria
P. Lambert & A. Lamali
Wadi El Murbah, A Possible 7.5 km-Diameter Buried Impact Structure
on the Jordan-Iraq Border: Geological Setting and Remote Sensing
S. Master
The Ash Shutbah Circular Feature – A Suspected Meteorite Impact Site
in Saudi Arabia
M. Schmieder et al.
Diverse Origin of Circular Structures in Libya: Preliminary Landsat
Images Investigation
 (to be confirmed) **M. Baegi**
- 10:40-11:10** **Coffee Break**
- 11:10-12:30** *Craters in the Arab World cont.*
Wabar Impact Craters Revisited
E. Gnos et al.
Magnetic Signature of the Maâdna Crater Structure (Talemzane, Algeria)
A. Lamali et al.
A Possible Impact Origin of a Subsurface Circular Structure in the Al-
Hamada Al-Hamra Basin: Evidence from Seismic Data
 (to be confirmed) **H. Ben Musa**
Observing Circular Terrain Features in the Middle East from Space
A. Shaban

- 12:30-13:00** Keynote Address
The Processing and Enhancement of Impact Cratering Datasets
G. Cooper
- 13:00-14:30** Lunch at the University of Jordan Restaurant
- 14:30-15:00** Keynote Address
Numerical Modelling of Impact Processes **K. Wünnemann et al.**
- 15:00-15:30** Keynote Address
Chicxulub and the K-P boundary **A. Deutsch & P. Schulte**
- 15:30-16:10** *Fe oxidation by impact*
The Fe Oxidation State in Tektites and Microtektites **G. Giuli et al.**
The Effect of Reduction of Elements on their Dynamics During an Impact
M. Gerasimov et al.
- 16:10-16:40** Coffee Break
- 16:40-17:40** *Meteorites and Meteorite Parent Bodies*
Meteorite Recovery in the Sultanate of Oman and Peculiarities of the
Omani Meteorite Population **B. Hofmann et al.**
Impact Cratering on the H-Chondrite Parent Body **A. Wittmann et al.**
Meteorites in Arabic Countries: A Scientific Richness and a Patrimony to
Preserve **H. Chennouie**
- 17:40-18:20** *Other impact structures*
The Dhala Structure-The Largest Known Complex Impact Structure in
SE Asia **J. Pati et al.**
A New Look at the Ries-Steinheim Event – A First Report of Different
Melt Lithologies From the Steinheim Basin and A New ~14.4 Ma Ries
Impact Age **E. Buchner et al.**
- 18:20 -** *Final Address / Closing Ceremony* **K. Konsul**
Refreshments
- 20:00-22:00** Dinner (the place to be confirmed later)

Wednesday, 11 November 2009:

Jebel Waqf as Suwwan trip

Thursday-Saturday, 12-14 November 2009:

Petra/Wadi Rum trip

*AICAC Conference Program
Poster Session*

Monday, 9 November

Tmisan and Jaraminah, Two Possible Impact Craters in Western Libya

A. Dunford & C. Koeberl

Scaling of Impact Crater Formation on Planetary Surfaces – Insights from Numerical Modeling

D. Nowka

Characterization by Cathodoluminescence Spectroscopy of Silica Phases as Indicator of the Shock in Meteorites

H. Chennaoui et al.

Constraints on Impact Age, Melt Rock Chemistry, and Projectile Composition at a Small-Sized Impact Structure: Problems of Melt Rock Heterogeneity at Roter Kamm, Namibia

L. Hecht et al.

Meteorite Impact Craters in the Arab World: An Overview

M. C. Chabou

The Finnish Impact Cratering Record - An Update with New Isotopic Data

M. Schmieder et al.

Morphological Variability of FeNi ‘Spherules’ and Vesicles in Wabar Glass (Saudi Arabia) – A Case for Dynamic Meteorite Melt-Target Melt-Gas Interaction

M. Schmieder et al.

Um Chaimin Crater: A Review

M.W. Ibrahim

Al-Atarib Craters, Syria

H. Basurah

Geological and Geophysical Study of Waqf Ess Suwwan Area, East Central Jordan

A. Gharaibeh & J.R. Khataibeh