**3rd Symposium of Sultan Qaboos Academic Chairs**

**“Managing Water Resources for Sustainable Development”**

**University of Tokyo (Japan)**

**October 2-3, 2014**

**Abstract Submission for the Poster Session**

Selection of posters for the poster session of the Symposium will be done by the Scientific Committee, based on review of submitted abstracts.

The posters should be within the themes of the Symposium and specializations of His Majesty Chairs. They are:

1. Integrated Water Resources Management
2. Water and Socio-cultural Diversity
3. Studies in Arabic Language and Its Literature
4. Water, Faith; and Abrahamic Religions
5. Societal Change in Middle East

Abstract (1 page, up to 500 words) should clearly indicate the objectives, methodology, results and conclusions of the study. An abstract must be written as a single paragraph and single space in English. Abstract should include Title, Author(s) name(s) and surname (s), Affiliation (with e-mail address) and key words. A Times New Roman 12 font size must be used, and margins should be set at 2.5 cm in all sides.

The deadline for submission of abstracts is July 30, 2014. The properly formatted abstracts should be emailed to ([sqac3rdsymposium@diwan.gov.om](mailto:sqac3rdsymposium@diwan.gov.om)).

Authors of submitted abstracts will be notified on acceptance/rejection by August 15, 2014. The Organizing Committee will take care of printing the posters and bringing them to Tokyo.

Posters’ sizes must be 100 cm (height) and 80 cm (width). All illustrations (figures, tables, colour photographs, graphs), etc. should be easily readable from several feet away Poster files should be sent to ([sqac3rdsymposium@diwan.gov.om](mailto:sqac3rdsymposium@diwan.gov.om)) in a PowerPoint format with high resolution of the text and illustrations.

Templates of abstract and poster are attached. Abstracts should follow the Guideline for Authors format, which can be found on the Symposium Website

[www.sqcic.gov.om/sqac/index.html](www.sqcic.gov.om/sqac/index.html%20)

The organizing committee **will not provide any funding for travel or accommodation**. Those who are interested to submit abstracts should themselves secure funding. The author of an accepted poster will receive a formal letter, which non-Japanese participants can use for obtaining a visa.

There will be the **Best Poster Award**, to be announced at the end of the Symposium. Selection of the Best Poster will be done by the Scientific Committee during the Symposium.

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| **Submission of Abstracts** | **July, 31st 2014** |
| **Notification of Acceptance/Rejection** | **August, 15th 2014** |
| **Contacts** | [sqac3rdsymposium@diwan.gov.om](mailto:sqac3rdsymposium@diwan.gov.om)  Mr. Bader Al Nudhairi: [Bader- N89@hotmail.com](mailto:Bader-N89@hotmail.com)  Mr. Abdullah Al Ajmi: [abdul-7160@hotmail.com](mailto:abdul-7160@hotmail.com) |

**Template of Abstract**

**Sample:**

**Conjunctive Use of Shallow Aquifer Groundwater in Alluvial Fans: Japanese and Omani Historical Experience Revisited**

Saishiro Kanazava1, Mohammed Al-Farsi2

1*Department of Water Technology, University of Fudziyama, Japan; E-mail:*[*saishiro@fuzijama.edu.jp*](mailto:saishiro@fuzijama.edu.jp)

2*Department of Water Sciences, Oman University of Science and Technology, Sultanate of Oman; E-mail:* [*farsi@oust.edu.om*](mailto:farsi@oust.edu.om)

Understanding of fluctuations of the phreatic surface of groundwater mounds,fed by infiltration from water courses and embanked impoundments, are necessary in catchment-scale management of water resources and sustainable abstraction by tube wells and horizontal drains (falaj tunnels) [1]. Twocoastal unconfined aquifers in Oman and Japan, which are laterally bounded by a shore line and outcrops of almost impermeable rock are recharged throughcontrolled pulses from circular infiltration basins.Water table loci were observed during 2010-2014 in 12 and 23 piezometers, correspondingly. In simulations, integral representations for the transient saturated thickness of the aquifer are used for analytical evaluations of the hydraulic head. MODFLOW is also used with delineation of two main hydrostratigraphic units, a recent and ancient alluvium. Contour plots of phreatic surface elevations at a given time, piezometer hydrographs, the total volume of groundwater residing above the pre-recharge flat level in a specified zone are presented. It is recommended to optimize the water use efficiency by recharging an intercepted runoff (winter injection) and partial recovery of this water by pumping during summer, depending on the evapotranspiration rate in adjacent irrigated areas and taking into account traditional shared water usage practices of rural communities in the two countries.

**Key words:**managed aquifer recharge, transient Darcian flow, infiltration

**References**

[1] BOUWEE, H. 1978. *Groundwater Hydrology*. McGraw Hill, New York.