

Registration

Title

First Name

Family Name

Institution

Street

City

Country

E-mail address

I will participate in the Status Conference on the
23rd 24th

I will participate in the conference dinner on the 23rd

I apply to present a poster

Title of the poster:

Please register by 2nd of March 2015 via e-mail or fax to:

Dr. Leif Wolf
PTKA-WTE
E-mail: leif.wolf@kit.edu
Fax: +49-721-608-928224

Young Scientists

Young scientists should also be aware of the Young Scientist Exchange Program (YSEP).

YSEP is an open call for young scientists for a training period in Israel or Germany for up to 6 months, but not less than 1 month. Funding will be provided to cover all necessary expenses of the applicant's visit abroad. Further information is available at:

www.ptka.kit.edu/wte/301.php
www.cogeril.de

Conference Venue

Maritim proArte Hotel
Friedrichstraße 151
10117 Berlin, Germany
Telephone: + 49 (0) 30 2033-5

<http://www.maritim.de/de/hotels/deutschland/proarte-hotel-berlin/>

A number of hotel rooms has been reserved at the Maritim proArte Hotel for a special discount rate (90€ per night, subject to availability).
Booking by e-mail via beatrice.hadaschik@kit.edu before 19th of February 2015.

Conference Fee

Participants who are not engaged in a currently running project of the German-Israeli Cooperation in Water Technology Research will be required to pay a registration fee of 50€ (including conference proceedings and conference dinner).

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Federal Ministry
of Education
and Research



Ministry of Science,
Technology and Space



German-Israeli Cooperation in Water Technology Research

Status Conference 2015
22. – 24.03.2015, Berlin

1965 - 2015
50 שנה
ליחסים הדיפלומטיים
ישראל-גרמניה
50 Jahre
Diplomatische Beziehungen
Deutschland-Israel



The German-Israeli Cooperation in Water Technology Research

The bilateral cooperation in water technology was established already in 1974. Since then, more than 133 projects with Israeli and German partners led to trusted relations between Israeli and German researchers.

The objectives of the German-Israeli Water Technology Cooperation Program are:

- To improve the water situation in Israel, its direct neighbourhood and/or Germany.
- To facilitate access to new markets for Israeli and German enterprises in the water and environmental sector.
- To support and strengthen bilateral and multilateral cooperation in the water sector as well as cooperation between science and industry.

Focal themes of the 2015 status conference are energy efficiency in the water sector, water recycling and reuse, as well as water security and vulnerability.

To encourage young scientists to engage in the bilateral cooperation, BMBF and MOST have initiated a young scientist exchange program (YSEP) in 1999. Meanwhile, more than 100 young scientists have benefitted from the program.

In the year 2015, we also celebrate 50 years of diplomatic relations between Israel and Germany. The research relationships among scientists are regarded as having been a key driver for the establishment of the earliest ties.

Innovative water technology solutions from Germany and Israel are well recognized around the globe and provide an ever increasing population with clean water. Israel has more than doubled its export in the area of water technology since 2007. And in water technology, Germany is the country with the highest export market share worldwide.

In future, even stronger efforts are required to respond to the growing pressure on the global water resources. Vital ecosystems have vanished or are at risk. Recent estimates suggest that more than a billion people globally will not have sufficient water resources by 2050.

Further information on the German-Israeli cooperation can be found at www.cogeril.de.

Program

Sunday, 22nd of March 2015

20:00 Welcome Dinner
(for participants of ongoing projects + official delegates)

Monday, 23rd of March 2015

Location: Maritim proArte Hotel Berlin

09:00 Welcome Notes
Dr. H. Löwe (BMBF, Bonn)
Dr. T. Abu Hamed (MOST, Jerusalem)

Session I: Keynotes + Projects started in the year 2012
Session Chair: Prof. P. Werner

09:20 Challenges for sustainable wastewater management in the 21st century
Prof. A. Brenner (Ben Gurion University of the Negev)

09:40 From sanitation towards urban water resources management
Prof. P. Krebs (TU Dresden)

10:00 Short presentation from a participant of the Young Scientist Exchange Program (YSEP): Glycosphingolipids trigger rapid onset of biofouling of NF membranes
R. Haas (TU Dresden)

10:10 Energy-saving wastewater treatment process: WWTPs upgrading for carbon and full nitrogen removal in warm climates
Dr. I. Sabbah (Galilee Society Institute, Shefa-Amr)
Prof. H. Horn (DVGW-EBI, Karlsruhe)

10:50 Coffee break + Poster presentation

11:20 Low-fouling hydrogel-coated modified UF-MBR and RO membranes for treatment of waste effluents for recycling and reuse
Prof. V. Freger (Technion, Haifa)
Prof. M. Herzberg (Ben Gurion University, Sede Boker)
Prof. M. Ulbricht (U Duisburg-Essen)

12:00 Integrated hydrogeophysical monitoring and modeling of soil aquifer treatment for improved recharge management
Prof. A. Furman (Technion, Haifa)
Prof. N. Weisbrod (Ben Gurion University, Sede Boker)
Prof. A. Kemna (U Bonn)

12:40 Lunch break

13:40 Impacts of onsite greywater reuse on urban wastewater systems
Prof. E. Friedler (Technion, Haifa)
Dr. M. Schütze (ifak, Magdeburg)

Session II: Projects started in the year 2013
Session Chair: Prof. Ch. Sheindorf, tbc

14:20 Extraction of phosphorus compounds from wastewater for reuse as struvite fertilizer
Dr. L. Birnhack / Prof. O. Lahav / Prof. M. Eisen (Technion, Haifa)
A. Zewuhn / Dr. J. Gerth (TU Hamburg-Harburg)

15:00 Coffee break + Poster presentation

15:30 BioScirr: On-line detection, treatment and reduction of biofilm and chemical scaling in irrigation systems utilizing treated wastewater (TWW)

Prof. Y. Chen (Hebrew University, Jerusalem)
Dr. M. Wagner (DVGW-EBI, Karlsruhe)

16:10 Reverse osmosis desalination powered by hybrid photovoltaic/thermal solar systems
Dr. A. Gusarov, tbc (Dead Sea & Arava Science Center, Tamar)
Dr. M. Spinnler (TU München)

16:50 Water quality event detection for urban water security and urban water management based on hydrotoxicological investigations (W3-Hydro)
Prof. A. Ostfeld (Technion, Haifa)
C. Cofalla / Prof. H. Schütttrumpf (RWTH Aachen)

17:30 Closing words

20:00 Conference dinner at Maritim proArte Hotel Berlin

Tuesday, 24th of March 2015

Location: Messe Berlin

10:00 Opening Ceremony of the Wasser Berlin Trade Fair

12:00 Scientific Session: BMBF Funding Priority "Sustainable Water Management (NaWaM)" – Innovations for the city of the future

13:30 Hors d'Oeuvres Reception at the BMBF stand

14:00 End of the German-Israeli Status Conference, Free access to Wasser Berlin Trade Fair