The 13th Dahlia Greidinger Memorial Symposium 2019

Sustainable Primary Food Production Emphasizing Soil - Water and Environmental Conservation

March 4-6, 2019
Civil and Environmental Engineering (CEE)
Technion-IIT, Haifa, Israel

Organized and Supported by:
The Dahlia Greidinger Memorial Fund

First Call

https://dgsymp.net.technion.ac.il/
email: greidinger@technion.ac.il

THE STEPHEN & NANCY GRAND
WATER RESEARCH INSTITUTE

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Objective

Current demographic trends and projected growth in global population and standards of living are estimated to result in about 70 percent increase in food demand by 2050. Global climatic changes, population growth and societal demands pose extreme challenges on water and land resources, which together with sustainable plant-nutrient provision are essential resources for securing food production. Achieving global food security while reconciling demands on ecosystems and natural resources is one of the greatest challenges faced by humanity. The symposium will re-examine research and development directions, needs and knowledge gaps, and identify modes to cope with the challenges to secure global food production while confronting water scarcity threats and other environmental and ecological challenges such as preservation of soil health. Emphasis will be both on irrigated and rain-fed agriculture with specific attention paid to potential solutions for developing regions and problems associated with climate change effects. Sustainable approaches for confronting global food and water security while reconciling environmental demands and conservation of natural resources will receive special attention.

Themes

A. Advanced irrigation and fertilizer application solutions
B. Advanced plant nutrition
C. Advanced soil and plant monitoring
D. Bio-stimulation
E. Precision agriculture
F. Soil health

Symposium Format

A three-day symposium will be held, with podium presentations delivered mainly by keynote and invited speakers who are leading experts in relevant fields, with additional selected voluntary presentations. These will be accompanied by poster sessions with special encouragement given to presentations by graduate students (Including awards). Special time will be devoted to panel discussions aimed at: identifying global and local knowledge gaps; generating ideas for new research and directions for sustainable development; encouraging scientific cooperation among participants; developing effective ways to disseminate knowledge and information, particularly to regions with special needs.

Organizing committee

Chair: Dr. Alex Furman, CEE, Technion
Co-chair: Dr. Avi Shaviv, CEE, Technion
Dr. Nurit Agam, BGU
Dr. Asher Bartal, ARO
Dr. Victor Elchanatis, ARO
Dr. Gil Eshel, Erosion Lab
Dr. Patricia Imas, ICL Fertilizers
Dr. Anat Lowengart-Aycicegi, MoAg
Dr. Menachem Moshelion, HUJI
Dr. Dubi Raz, Netafim

Registration and abstract submission

Abstract submission and registration to the symposium will be available through the symposium website soon (https://dgsymp.net.technion.ac.il/). A registration fee is required to cover expenses for a conference booklet, lunches and coffee breaks for the conference days. An early registration fee of $200 per person will be charged until January 31, 2018, after which the fee will be $250. Please note: Registration fees will be waived for presenting participants (oral presentation or posters).

Publication

Abstracts will be published on the symposium website. Oral and poster presenters are encouraged to submit their work to a special issue of Soil Systems (https://www.mdpi.com/journal/soilsystems). More details will be available in the second circular.

Accommodations

Special rates in Haifa Hotels will be offered to participants. Several rooms will be available at the Technion guesthouse. More information will be available in the second circular.

Contacts

Alex Furman (chair): afurman@technion.ac.il
Conference secretary: greidinger@technion.ac.il

Haifa Information

http://www.visit-haifa.org/eng/

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