

Cook Workshop Sessions

Monday, 17/11/2014

Session 1, 11:00-12:30 : Bio-climatic design of buildings

Chair: Isaac Meir

Prof. Guedi Capeluto, Technion Israel Institute of Technology, *“A multifunctional energy retrofit façade system for different climates.”*

Dr. Eran Kaftan, Ben-Gurion University of the Negev, Israel, *“Recommendation for daylighting in sunny regions.”*

Prof. Agis Papadopoulos, Aristotle University Thessaloniki, Greece, *“Implementing energy efficiency measures for buildings in extreme climatic conditions.”*

Profs. Maria and Walter von Roth, UANL, Mexico, *“Green house construction.”*

Session 2, 17:30-18:45: Sustainability in the built environment: Israeli case studies

Chair: Guedi Capeluto

Prof. Edna Shaviv, Technion, Israel, *“Passive and low energy architecture: the Israeli approach within the sustainable building standard.”*

Ms. Gertel Shulamith, Ministry of Housing, Israel, *“Application of sustainable building and operating technologies in residential units – cost and benefit.”*

Dr. Oded Potchter, Israel, *“The impact of a manmade oasis on human thermal comfort in a hyper arid environment: The case of Southern Israel.”*

Mr. Alex Cicelsky, Israel, *“Environmentally responsive strategies for building design and electricity savings in hot hyper-arid regions.”*

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Session 3, 15:00-16:30 : Bio-climatic urban design in hot-arid regions

Chair: David Pearlmutter

Prof. Mat Santamouris, University of Athens, Greece, *“Cooling the cities: mitigation and adaptation techniques to counterbalance urban overheating.”*

Ms. Silvia Coccolo, Italy, *“Improving outdoor comfort and energy consumption of a city district in a desert area.”*

Prof. Goen Ho, Murdoch University, Australia, *“Sustaining Residential Gardens in Arid Regions with Integrated Lot-Scale Water Systems.”*

Mrs. Daphna Drori, Israel, *“A design tool for water-efficient green open-spaces in the Israeli arid climate.”*

Session 4, 17:00-18:30: Sustainability in the built environment: around the world

Chair: David Pearlmutter

Dr. Benz Kotzen, University of Greenwich, UK, *“Biophilia and drylands architecture: visions for future living.”*

Prof. Alejandro Hernida Garcia, Universidad Alfonso X / Terrachidia, Spain, *“Sustainable development promoting local tradition: the work of Terrachidia in the M’Hamid Oasis (Morocco).”*

Mr. Bomboso Lobanga, African Association for the Development and Environment Protection, DR Congo, *“African urbanization and desertification’s issues.”*

Mr. Jacob Florentin, Ben-Gurion University, Israel, *“Hempcrete construction in Europe: the green alternative.”*