

Speaker Sessions

Water, Sanitation, and Hygiene

Kartik Chandran, Columbia University, United States
Antoine Ghauch, American University of Beirut, Lebanon

The Need for Disruptive Game Changing Approaches in Water Sanitation and Hygiene
Carl Hensman, Gates Foundation, United States

Anaerobic Membrane Bioreactor and its Efficacy in Removing Microbial Contaminants
Peiying Hong, King Abdullah University for Science and Technology, Saudi Arabia

Amplifying Progress toward Multiple Development Goals through Resource Recovery from Sanitation
Jeremy Guest, University of Illinois, United States

*Expanding Access to Sanitation for Unsewered Communities in Middle East and North Africa
Countries: Social and Technical Aspects*
Mustafa Mahi, Office National de l'Electricité et de l'Eau Potable, Morocco

Renewable Energy

Andrej Lenert, University of Michigan, United States
Asmae Khaldoun, Al Akhawayn University, Morocco

*The Green Energy Park – A New Research to Innovation Model to Enhance Excellence in Renewable
Energy in Africa*
Badr Ikken, Institut de Recherche en Energie Solaire et Energies Nouvelles, Morocco

Fundamental and High Throughput Advances in Electrochemical Energy Technologies
Sossina M. Haile, Northwestern University, United States

Developing New Pathways for the Production of Fuels and Chemicals in a Sustainable Manner
Thomas Jaramillo, Stanford University, United States

High-Performance Solar Thermal Energy Conversion with Dry Cooling
TJ Zhang, Masdar Institute, United Arab Emirates

Precision Medicine& Cancer

Kunal Rai, MD Anderson Cancer Center, USA

Mohammed Qasaimeh, New York University Abu Dhabi, UAE

Translating a Trillion Points of Data into Therapies, Diagnostics, and New Insights into Disease

Atul Butte, University of California, San Francisco, United States

Microfluidics for the Interrogation of Circulating Biomarkers in Cancer Patients

Shannon Stott, Harvard Medical School, United States

Optimizing Therapies of Chronic Myeloid Leukemia: One Step Closer to Cure?

Rihab Nasr, American University of Beirut, Lebanon

Targeted Delivery of Anticancer Therapeutics

Mazin Magzoub, NYU Abu Dhabi, United Arab Emirates

Smart Agriculture

Amir Aghakouchak, University of California, Irvine, United States

Samer Samarah, Yarmouk University, Jordan

Discovering How Agricultural Development Shapes Climate Change Futures

Patrick Reed, Cornell University, United States

Carotenoid Research: From Combating Malnutrition to Parasitic Weeds Control

Salim Babili, King Abdullah University of Science and Technology, Saudi Arabia

Impact of Water policy on Food Security in Jordan

Tala Qtaishat, Jordanian University, Jordan

Advances in Mapping Evapotranspiration with Satellite Data

Forrest Melton, JPL/NASA, United States

Smart Cities

Marta Gonzalez, Massachusetts Institute of Technology (MIT), United States
Mohamed Bakhouya, International University of Rabat, Morocco

Urban Data Management, Analysis and Visualization

Claudio Silva, New York University, United States

The City Dynamics Platform

Anas Alfari, King Abdulaziz City for Science and Technology, Saudi Arabia

Data-Driven Management of Urban Energy Networks: Sensing, Learning and Optimization

Ram Rajagopal, Stanford University, United States

Social Sensing of the City

Ingmar Weber, Qatar Computing Research Institute, Qatar