Keynote Forum

08:55-09:00 Introduction
09:00-09:25 Title: 4.5 to 7.8°C global surface warming from today’s CO2 and CH4 levels
Gene Fry, Energy Efficiency & Global Warming Consultant, USA

09:25-09:50 Title: ‘Sizing’ heterogeneous chemistry in the conversion of gaseous dimethyl sulfide to atmospheric particles
Agustin J Colussi, California Institute of Technology, USA

09:50-10:15 Title: Wildland fire and climate change
Jaime Senabre, University of Alicante, Spain

Group Photo

Coffee Break @ Foyer Business Center 10:15-10:30

10:30-10:55 Title: Mindfulness-based health-enhancement and carbon footprint reduction
Bruce Barrett, University of Wisconsin, USA

10:55-11:20 Title: Coal combustion byproducts recycling and utilization for sustainable solutions to climate change
Ahn Ji Whan, Korea Institute of Geosciences and Mineral Resources, Korea

11:20-11:45 Title: On the issue of increasing carbon dioxide concentrations and global climate change
Frederick House, Emeritus, Drexel University, USA

11:45-12:10 Title: Causes and effects of climate change
Nils-Axel Morner, Emeritus, Stockholm University, Sweden
12:10-12:30 Title: Climate change events induced risk assessment and mapping and a potential insurance policy
**Ionut Purica, AOSR and Universitatea Hyperion Bucharest, Romania**

12:30-12:50 Title: Water into wine: Irrigation in viticulture
**Linda Johnson-Bell, The Wine and Climate Change Institute, England**

Lunch Break @ Bottom Restaurant 12:50-13:30

13:30-13:50 Title: Risk adaptation space of water resources to climate change in China's city agglomeration under construction
**Minghao Bai, Hohai University, China**

13:50-14:10 Title: The problem of the desert areas: Agroforestry recovery of the same and influence of this on climate
**Gualtiero A.N. Valeri, University St. Rita of Rome, Italy**

14:10-14:30 Title: A data mining approach to elucidate the relationships between air pollution and respiratory diseases in big cities
**Fabio Teodoro de Souza, Pontifical Catholic University of Parana, Brazil**

14:30-14:50 Title: Integrating the Technical and Human Dimensions of Climate Change: Communication, Culture, Conflict, and Collaboration
**Gregg B Walker, Oregon State University, USA**

14:50-15:10 Title: Physical, (sociological) and societal health and public perceptions in a likely climate change scenario: Wastewater and coastal agriculture
**Graciela I Ramireztoro, Universidad**

15:10-15:30 Title: Economic valuation of the biodiversity-related changes in ecosystem services of the arctic caused by climate change
**Hyo-Sun Kim, Korea Polar Research Institute, Korea**

Coffee Break @ Foyer Business Center 15:30-15:50
15:50-16:10 Title: Pricing of carbon and funding of low carbon transition under a 20C regime
Bose Varghese, Infosys Limited, India

16:10-16:30 Title: Urbanization and its effects on water scarcity in the Islamic Republic of Iran: A retrospective cohort study
Mehrdad Farrokhi, University of Social Welfare and Rehabilitation Sciences, Iran

16:30-16:50 Title: Impacts of Climate change on meningitis epidemics in the western african sahel: Enhanced threats or part of the solution?
Abdelkrim Ben Mohamed, Universite Abdou Moumouni, Niger

16:10-16:30 Title: Urbanization and its effects on water scarcity in the Islamic Republic of Iran: A retrospective cohort study
Mehrdad Farrokhi, University of Social Welfare and Rehabilitation Sciences, Iran

Young Research Forum

16:50-17:05 Title: Climate change impact assessment on artificial wetlands
Carla Idely Palencia-Aguilar, Lund University, Sweden

17:05-17:20 Title: Climate change as a challenge to indigenous food security
Pooja Pant, City University of Hong Kong, Hong Kong

17:20-17:35 AR5-based climate change impact analysis on water resources in Asia monsoon region
Jeong-Bae Kim, Sejong University, Korea

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Day 2

Key Note Speaker

09:00-09:25 Title: Pathways to net-zero carbon emissions
Douglas Ray, Pacific Northwest National Laboratory, USA

09:25-09:50 Title: Current and future satellite observations of aerosol types affecting human health
Olga V Kalashnikova, Jet Propulsion Laboratory, California Institute of Technology, USA

09:50-10:15 Title: Photosynthetic acclimation and enhanced crop productivity in response to climate change: The grand design of photosynthesis
Norman P A Huner, University of Western Ontario, Canada

10:15-10:40 Title: Monitoring trends in EU CO2 emissions: A carbonization index through divisia index
Paula Fernandez Gonzalez, University of Oviedo, Spain

Coffee Break 10:40-11:00

11:00-11:25 Title: Marine heat waves: Definitions, drivers, and global trends
Neil Holbrook, University of Tasmania, Australia

11:25-11:50 Title: Adaptation technology of infrastructure under climate change
Sangseom Jeong, Yonsei University, Korea

Speaker

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Sangseom Jeong, Yonsei University, Korea

11:50-12:10 Title: Climate change and global food security in the face of other stressors: The challenges for agricultural transformation, adaptation and conservation
Christopher Bryant, Universities of Montreal, Canada

12:10-12:30 Title: Changes in geographical distribution of plant species as a response to climatic change on the West Cornwall Peninsula (South West England)
12:30-12:50 Title: Impacts of climate change on animal farming in the Mediterranean region

Nazan Koluman Darcan, Cukurova University, Turkey

Lunch 12:50-13:30

13:30-13:50 Title: Green walls used as a low-input technology to cool buildings in the Mediterranean area

Salvatore La Bella, University of Palermo, Italy

13:50-14:10 Title: Biochar, compost and biochar-compost: Influences on yield performance, soil quality and greenhouse gas emissions in agricultural soils

Getachew Agegnehu, James Cook University, Australia

14:10-14:30 Title: Potential changes in plant species place distribution induced by climatic pattern changes

Marian Mierla, Danube Delta National Institute for Research and Development, Romania

14:30-14:50 Title: Possible changes of the brown trout habitat suitability in the upper Po basin due to global change

Annalina Lombardi, University of L’Aquila, Italy

14:50-15:10 Title: Causes for variable greening responses to warming detected in alpine grasslands on the Tibetan Plateau

Tianxiang Luo, Chinese Academy of Sciences, China

15:10-15:30 Title: Climate change adaptation (CCA) measures in industrial areas of Telangana state from India – A pilot study

Rajani Ganta, Integration Environment & Energy GmbH, India

15:30-15:50 Title: The inevitability of a role for geoengineering in the post-Paris climate change landscape

Clare James, University College London, UK

Coffee Break 15:40-16:10
16:10-16:30 Title: Individual and societal-level consequences of global warming media use and energy saving and carbon reduction coverage
**Huiping Huang, National Chiao Tung University, Taiwan**

16:30-16:50 Title: Developing optimal diffuse pollution management strategies in an agricultural watershed under future climate change
**Dong Jin Jeon, Gwangju Institute of Science and Technology, Korea**

16:50-17:10 Title: Farmer climate change adaptation in the West African Sudan Savannah: Reality check and feasible approaches
**Daniel Callo-Concha, University of Bonn, Germany**

**Young Research Forum**

17:10-17:25 Title: Projection of drought characteristics according to future climate and hydrological changes in the Korean Peninsula
**Jae-Min So, Sejong University, Korea**

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17:25-17:40 Title: A case study on determining real-time landslide early warning level by sequentially applying ERI and infiltration-slope stability coupled model
**Deuk-Hwan Lee, Korea Advanced Institute of Science and Technology, Korea**

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**Deuk-Hwan Lee, Korea Advanced Institute of Science and Technology, Korea**

17:40-17:55 Title: Beyond reinventing adobe as a building material: A new paradigm in anthropocene
**Olukoya Obafemi A P, Brandenburg Technical University, Germany**

17:55-18:10 Title: Land use exposure analysis in the occurrence of a storm surge event
**Alyosha Ezra C Mallari, University of the Philippines, Philippines**
Poster Presentations 18:10–19:00

CC1 Title: Variations of geoid undulations from satellite data of GRACE for Israel and surrounding countries  
jaroslav Klokocnik, Czech Academy of Sciences, Czech Republic

CC2 Title: Improving techniques for watershed water cycle to adapt to climate change and variation  
Cheolhee Jang, Korea Institute of Civil Engineering and Building Technology, Korea

CC3 Title: Precipitation over Zhejiang, Fujian and Jiangxi of China in June: Climatology  
Guoqing Zhai, Zhejiang University, China

CC4 Title: Trend and seasonality of land precipitation in observations and CMIP5 model simulations  
Xiaofan Li, Zhejiang University, China

CC5 Title: Evolutions of the circulation anomalies and the quasi-biweekly oscillations associated with extreme heat events in South China  
Ruidan Chen, Sun Yat-sen University, China

CC6 Title: Impact of global warming on aquifer–river interactions under groundwater intensive use: Mancha Oriental Aquifer, Spain  
Iordanka Dountcheva, University of Castilla – La Mancha, Spain

CC7 Title: Inter-annual variability of wintertime monthly surface air temperature in China  
Maoqiu Jian, Sun Yat-sen University, China

CC8 Title: Run-up of solitary waves on variable slopes  
Yong-Sik Cho, Hanyang University, Korea

CC9 Title: Sustainable energy used in wastewater treatment. Removal of dyes  
P Negrea, Politehnica University Timisoara, Romania