

The 2016 China-US Joint Annual Symposium
“International Nexus of Food, Energy, Water, and Soil”
October 26-29, 2016, Yixin, Jiangsu Province, China

“Celebrating the Tenth Anniversary of the China-US Joint Research Center”

2006—*Build and Explore*—2016

Keynote Speaker: Dr. Warren Washington, Awarded the 2010 U.S. National Medal of Science



*To Warren Washington
With best wishes,*

A handwritten signature in black ink, appearing to be "Barack Obama".

INTRODUCTION

Climate change, urbanization, population growth, and accelerating consumption of energy and natural resources bring great challenges for regional and global sustainable development. It is becoming imperative how society can best integrate across the natural and built environments to provide a growing demand for food, energy and water while maintaining key ecosystem functions and services. The U.S. and China have the largest economies and drive the rates and patterns of global resource utilization, energy consumption, and environmental degradation. Sustainable development is dependent on these two nations exchanging perspectives to develop a joint agenda for international solutions to future needs, and lead the world in implementing innovative technologies. China and the U.S. share important experiences in tackling environmental problems encountered in the history of economic and social development. A mutual lesson-learning between the U.S. and China at the levels of science, technology, and policy could help both countries and other nations to avoid risks and create opportunities for developing joint efforts to tackle uncertain challenges.

The China-US Joint Research Center for Ecosystem and Environmental Change (JRCEEC) (<http://jrceec.utk.edu/>) was established in 2006 to enhance collaboration among Chinese and U.S. scientists to address the combined effects of climate change and human activities on regional and global ecosystems and to explore technologies for the restoration of degraded environments. The Center's partners include the University of Tennessee (UT), Oak Ridge National Laboratory (ORNL), Purdue University, two institutes within the Chinese Academy of Sciences (CAS) (Geographic Sciences and Natural Resources Research and the Research Center for Eco-Environmental Sciences), and the University of Science and Technology of China (USTC). In May 2011, a JRCEEC-based new partnership with joining of CAS' Institute of Applied Ecology, the US-China Ecopartnership for Environmental Sustainability (USCEES), was approved by the U.S. Department of State and the Chinese National Development and Reform Commission (NDRC) within the framework of the US-China Strategic and Economic Dialogue. Nanjing University was accepted into the USCEES in 2015. The JRCEEC and USCEES jointly promote research collaboration, academic exchange, student education, and technology training and transfer in all areas of food, energy and environmental concern.

SYMPOSIUM GOALS AND OBJECTIVES

The symposium organizers work to develop an integrative research, education, and industry business agenda for securing food production, producing clean energy, protecting water resources, and improving soil productivity while developing economy and social wellbeing. Specifically, conference sessions and panel discussions will address the following topics:

- **Research Workshop: Science and Technology for Sustainability**—Promoting adaptation to climate change, pollution control, soil remediation, healthy food production, watershed nutrients management, groundwater protection, biomass utilization, wastes treatment/recycling, and ecological safety
- **Education Workshop: Knowledge and Growth for Leadership**—Creating the world-best model for joint PhD and scholar exchange programs with integration of research collaboration among faculty and student researchers
- **Industry Workshop: Partnership and Innovation for Services**—Launching a US-China industry network for sustainability-targeted cooperation in the areas of agriculture, environment, energy, resources, ecology, sustainable construction, and eco-tourism

ORGANIZER

- Nanjing University, China

MAIN PARTICIPATING INSTITUTIONS

- Institute of Geographic Science and Natural Resources, Chinese Academy of Sciences
- Research Center for Eco-environmental Sciences, Chinese Academy of Sciences
- Institute of Applied Ecology, Chinese Academy of Sciences
- University of Science and Technology of China
- Harbin Institute of Technology
- Zhejiang University
- Jilin University
- China Agricultural University
- Shanghai Jiaotong University
- Nanjing Agricultural University
- Shenyang Agricultural University
- Inner Mongolia Agricultural University
- Northeast Normal University
- Hubei University
- Purdue University
- The University of Tennessee
- Oak Ridge National Laboratory (ORNL)
- Argonne National Laboratory (ANL)

- Rice University
- University of Oklahoma
- Tennessee Department of Environment and Conservation
- University of Illinois at Urbana Champaign
- Michigan State University
- Texas A&M University
- University of Florida
- Vanderbilt University

SPONSORS

- National Natural Science Foundation of China
- U.S. National Science of Foundation

PARTICIPANTS

The symposium will invite approximately 100 recognized scientists, 20 program directors, and 100 industry leaders from the U.S. and China to give ~100 oral presentations, ~100 poster presentations, three roundtable discussions, and a number of field trips.

ORGANIZING COMMITTEE

Chair:

Dr. Hong-Qiang Ren (Dean of School of the Environment, Nanjing University)

Members:

Dr. Xu-Xiang Zhang (Symposium Secretary-General, Nanjing University)

Dr. John Stier (Education Workshop Chair, The University of Tennessee)

Dr. Ren-Jie Dong (Education Workshop Chair, China Agricultural University)

Dr. Sherry Wang (Industry Workshop Chair, TN Department of Environment and Conservation)

Dr. Song Gao (Industry Workshop Chair, Yixing Environment Protection Industry Park)

Dr. Cheng Gu (Research Workshop Chair, Nanjing University)

Dr. Tim Filley (Research Workshop Chair, Purdue University)

Dr. Jie Zhuang (Symposium Coordinator, China-US Joint Research Center, CAS/UT)

Dr. Lin Ye (Symposium Secretary, Nanjing University)

Ms. Meiling Li (Symposium Coordinator, Chinese Academy of Sciences)

SCIENTIFIC COMMITTEE

Chairmen:

Dr. Gui-Bin Jiang (Chinese Academy of Sciences)

Dr. Gary S. Saylor (The University of Tennessee)

Members (to be updated):

Dr. Nan-Qi Ren (Harbin Institute of Technology)

Dr. Bo-Jie Fu (Chinese Academy of Sciences)

Dr. Cheng-Hu Zhou (Chinese Academy of Sciences)

Dr. Gui-Rui Yu (Chinese Academy of Sciences)

Dr. Zhi-Yun Ouyang (Chinese Academy of Sciences)

Dr. Lan-Zhu Ji (Chinese Academy of Sciences)

Dr. Xu-Dong Zhang (Chinese Academy of Sciences)

Dr. Qin-Xiang Guo (University of Science and Technology of China)

Dr. Han-Qin Yu (University of Science and Technology of China)

Dr. Hong-Qiang Ren (Nanjing University)

Dr. Jun Bi (Nanjing University)

Dr. Cheng Gu (Nanjing University)

Dr. Fang-Jie Zhao (Nanjing Agricultural University)

Dr. Tong Zhang (The University of Hong Kong)

More to be added

Dr. Warren Washington (National Center for Atmospheric Research, USA)

Dr. Pedro Alvarez (Rice University)

Dr. Joseph Suflita (University of Oklahoma)

Dr. William Brown (University of Tennessee)

Dr. John Stier (University of Tennessee)

Dr. Terry Hazen (University of Tennessee and ORNL)

Dr. Frank Loeffler (University of Tennessee and ORNL)

Dr. Steven Wilhelm (University of Tennessee)

Dr. Virginia Dale (ORNL)

Dr. Keith Kline (ORNL)

Dr. Timothy Filley (Purdue University)

Dr. Lena Ma (University of Florida and Nanjing University)

Dr. Ted Henry (Heriot-Watt University and University of Tennessee)

Dr. Jennifer Jurado (Natural Resources Planning/Management Division, Broward County, Florida)

Dr. Jiaguo Qi (Michigan State University)

Dr. Jinhua Zhao (Michigan State University)

More to be added

REGISTRATION

No registration fee is charged on invited guests. The conference organizers will provide meals, hotels, and local transportation between the airport and hotel at no cost of the invited guests during the meeting period. Registration day is October 26 (Wednesday), meetings are held on October 27-28, and participants leave for return or field trips on October 29.

VENUE

All meeting activities will be held in the International Environmental Protection Exhibition Hall, Yixing, Jiangsu province, China.

HOTEL

A block of rooms are reserved for invited guests (tentatively) at Yixing Grand Hotel (<http://www.yixinghotel.com/>). The hotel is located at 70 Dongshan Western Road, Yixing, Jiangsu province, China. Phone: +86 (510) 87981999.

CONTACT INFORMATION

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