

2012 CER Events



Besides the activities of the Center for Energy Research that makes the news, many events throughout the year are of interest to our CER community of students, faculty, and stakeholders.



January 3-5

Kowloon, Hong Kong, China

Dr. Robert Boehm attended The 2nd Asian-US-European Thermophysics Conference – Thermal Science for Sustainable World at The Hong Kong Polytechnic University. He presented a keynote address on “Now and Future on Solar Energy?” He also gave two papers on work currently underway at the UNLV CER. Another paper presented at this conference from UNLV’s CER was from Karn Soontrapa and Yitung Chen on “Thermal Management for Lunar Space Module.”

January 9

Hsinchu, Taiwan

Dr. Yitung Chen visited Professor and Director Ge-Ping Yu and Professor and Chairman Bao-Shi Pei at the National Tsinghua University in Taiwan.

January 9

Taipei, Taiwan

Dr. Yitung Chen visited Vice President Chii-Ruey Lin and Professor Tze-Chen Hung at the National Taipei University of Technology.

January 10

Koahsuing, Taiwan

Dr. Yitung Chen visited Professor Peng-Sheng Wei at the National Sun Yat-Sen University. Dr. Chen presented a seminar entitled “Review of High Temperature Heat Exchanger and Decomposer Design,” at the Department of Mechanical and Electro-Mechanical Engineering of the National Sun Yat-Sen University.

January 11

Taichung, Taiwan

Dr. Yitung Chen visited Professor Shi-Yii Wu, Professor Rong-Fuh Louh, and Professor Yung-Ming Lee at Feng Chia University.

February 17

Cleveland, Ohio

Drs. Yitung Chen and Robert Boehm of the UNLV CER presented a joint seminar at the NASA's Glenn Research Center on the experimental and computational solar work that has transpired at the UNLV CER.

March 1

Las Vegas, Nevada

Robert Boehm presented a Mechanical Engineering seminar at UNLV on the work he had performed at the end of 2011 relating to assessing the state of solar energy development in Taiwan.

March 8

Las Vegas, Nevada

Dr. Yitung Chen presented the seminar entitled "Introduction of Multiscale Simulations of Fluid Flow, Heat, and Mass Transfer Problems," at UNLV's Department of Mechanical Engineering.

March 11-12

Denton, Texas

Dr. Yitung Chen visited Professor Yong Tao and presented a seminar entitled “Review of Study on Solid Particle Solar Receiver (SPSR)” at the Department of Mechanical and Energy Engineering, University of North Texas.

April 20

Denton, Texas

Dr. Robert Boehm gave an invited lecture to the College of Engineering at the University of North Texas, entitled “Solar Power Generation.”

April 8

Cambridge, Massachusetts

Dr. Boehm gave an invited lecture for the Nanoengineering Group at Massachusetts Institute of Technology (MIT) regarding concentrating concepts in solar energy.



April 8

Milan, Italy

Dr. Yahia Baghzhouz gave an invited seminar on “Integration of Renewable Resources” at the Polytechnic of Milan (Piacenza campus) in Italy. During his stay, Dr. Baghzhouz also visited several famous towns in the surrounding areas, including Porto Venere, Parma, Lecco, and Spezia, Bergamo.



May 28-31

Lisbon, Portugal

Dr. Yahia Baghzouz attended CIRED, an important European conference on electric distribution systems. He presented a paper entitled “Improving power quality in distribution systems with high PV penetration through inverter control.” During the CIRED conference in Portugal, Dr. Baghzouz takes time out to visit a shop that sells a famous pastry treat of the region, Patéis de Belém.

June 7 and 8

La Jolla, California

Drs. Yahia Bagzhouz, Robert Boehm, and Sean Hsieh of the CER attended the U.S. Department of Energy's Smart Grid Peer Review Meeting, held in San Diego, California. A presentation was given related to progress on the DOE-funded peak electrical power reduction of the Villa Trieste development.

At right, the outdoor reception at the Smart Grid Peer Review meeting in San Diego, California.



June 14

Taipei, Taiwan

Dr. Yitung Chen visited Professor Bin-Juine Huang at the National Taiwan University.

June 14, Taipei

Taiwan

Dr. Yitung Chen visited Vice President Chii-Ruey Lin and Professor Tze-Chen Hung at the National Taipei University of Technology.

June 15

Hsinchu, Taiwan

Dr. Yitung Chen visited Professor and Director Ge-Ping Yu and Professor and Chairman Bao-Shi Pei at the National Tsinghua University.

June 16-20

Hong Kong, China

Dr. Yahia Baghzouz attended the 15th IEEE International Conference on Harmonics and Quality of Power, where he presented two papers: “Determining MPPT and anti-islanding techniques embedded in PV inverters” and “Harmonic analysis of ferro-resonance in single-phase transformers.” Below, Dr. Baghzouz (right) with colleagues at the 15th IEEE International Conference on Harmonics and Quality of Power in Hong Kong, China.



June 27

Las Vegas, Nevada

A group of nine people from seven Middle Eastern countries, hosted by the U.S. Department of State, visited the CER. The various functions being performed by the Center – both on campus and at the Villa Trieste location – were shown to the group.

July 23-26

San Diego, California

Robert Boehm, Rick Hurt, Aaron Sahm, and Srikanth Madala (doctoral student) attended the ASME 6th Conference on Energy Sustainability. Four papers were presented on solar-related topics.

June 24-28

Chicago, Illinois

Kuan-Che Lan, Yitung Chen, Ge-Ping Yu, and Tzu-Chen Hung presented a paper entitled “Reliability of thickness of oxide layer of stainless steels with chromium using cellular automaton model” at The 2012 International Congress on the Advances in Nuclear Power Plants (ICAPP2012), Chicago, U.S.A., 2012 (Paper Number: 12272).

June 25

Zhejiang, China

Dr. Yitung Chen visited Professor Ben-Zhao Zhang at the Zhejiang University in China.

July 1-31

Tiachung, Taiwan

Dr. Yitung Chen presented a short course on "Hydrogen Production, Utilization, and Economy" at Feng Chia University in Taiwan.

July 13

Kaohsiung, Taiwan

Dr. Yitung Chen visited Professor Her-Chang Ay at the Graduate Institute of Applied Science, National Kaohsiung University of Applied Sciences and presented a seminar entitled, "Innovative Solar Cell Design Using Metamaterials."

July 23-27

Taipei, Taiwan

Kuan-Che Lan, Yitung Chen, Ge-Ping Yu, and Tzu-Chen Hung presented a paper, “Cellular Automaton for Simulation of Oxide Layer Growth Influenced by Chromium Concentration of Structure Materials,” at the 9th International Conference for Mesoscopic Methods in Engineering and Science, (Paper Number: 173).

July 27

Tainan, Taiwan

Dr. Yitung Chen visited Professor Chin-Hsiang Cheng, College of Engineering Dean Pao-Shan Yu, and Professor Ta-Hui at the Lin National Cheng Kung University in Taiwan. He presented a seminar on “Innovative Solar Cell Design Using Metamaterials” at the Department of Aeronautics and Astronautics,.

July 30

Taipei, Taiwan

Dr. Yitung Chen visited Professor Chao-Chin Su and Professor Tze-Chen Hung at National Taipei University of Technology.

July 31

Hong Kong, China

Robert Boehm served on the Board of Examiners for the Ph.D. thesis for Mr. Jan Kumbnuss, a student of Prof. Hongxing Yang in the Department of Building Services Engineering at Hong Kong Polytechnic University. The thesis was entitled “Investigation on an Axial Passive Magnetic Bearing System and Its Application in Building Integrated Vertical Axis Wind Turbines.” Mr. Kumbnuss passed the defense.

August 1

Taichung, Taiwan

Dr. Yitung Chen visited Professor Shi-Yii Wu, Professor Rong-Fuh Louh, Professor Chang-Mou Wu, and Professor Yung-Ming Lee and presented a seminar “Innovative Solar Cell Design Using Metamaterials,” Department of Aerospace and Systems Engineering, at Feng Chia University.



August 3
Taipei, Taiwan

Drs. Robert Boehm and Sean Hsieh met with Professor B. J. Huang, Director of the Solar Energy Center at Taiwan National University. The discussion covered new developments in this laboratory. The meeting had been delayed by one day because Typhoon Saola had come through Taipei the day before; as a result, another of Dr. Boehm's planned meetings was cancelled. Above, Dr. Boehm (left) and Dr. Huang (right) discussing solar research at Taipei National University. Although the skies in the background are cloudy due to Typhoon Saola, Dr. Boehm used the umbrella to protect from the sun...



August 7
Las Vegas, Nevada

The UNLV CER had a booth at the National Energy Summit 5.0, Power of Choice, held at the Bellagio Hotel. President Clinton was one of the keynote speakers. Above, many of the Center's projects were pictured in the display at the National Energy Summit.

November 27

UNLV

On November 27, we had 33 students from Merryhill Elementary school visit to learn about our solar devices. Aaron Sahm is shown discussing a dish concentrator with the students.





November 14-16

Tianjin, China

R. Boehm, Y. Chen and R. Hurt from the UNLV CER attended an APEC sponsored forum on "New Energy, New City" which was part of the Asian effort entitled Low-Carbon Town Development. It took place in Tianjin, China. It was organized by faculty from Tianjin University.

For More Information

Center for Energy Research at UNLV

100 Taylor Hall
University of Las Vegas, Nevada
Box 454027
Las Vegas, NV 89154-4027

Phone: (702) 895-1125
Fax: (702) 895-1123

Director:

Robert F. Boehm, Ph.D., P.E.
Phone: (702) 895-4160
Email: bob.boehm@unlv.edu

Co-Directors:

Yahia Baghzouz, Ph.D., P.E.
Phone: (702) 895-0087
Email: yahia.baghzouz@unlv.edu

Yitung Chen, Ph.D.
Phone: (702) 895-1202
Email: yitung.chen@unlv.edu

