

# ACES-NM 2014 Seminar

*Lunch catered by Chopstix*

10:15 am-12:30 pm, Saturday, May 3, 2014  
Auditorium, UNM Domenici Center for HSC  
(see attachment for drive direction and map)

## 1. Dr. David Phillips

Curator  
Maxwell Museum  
University of New Mexico



## "China Then and Now" Exhibit and Cultural Programs

‘中国过去和现在’ UNM Maxwell 博物馆展览

## 2. Dr. Olga Lavrova

Assistant Professor  
Electrical & Computer Engineering  
University of New Mexico



## SHADE and the Solar Decathlon 2013

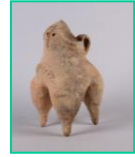
2013太阳能全能大赛中的SHADE

(沙漠环境中太阳能量平衡之居所)

Please RSVP by e-mail to [wennieshu@gmail.com](mailto:wennieshu@gmail.com) by  
Wednesday, April 30, 2014 for head count for lunch



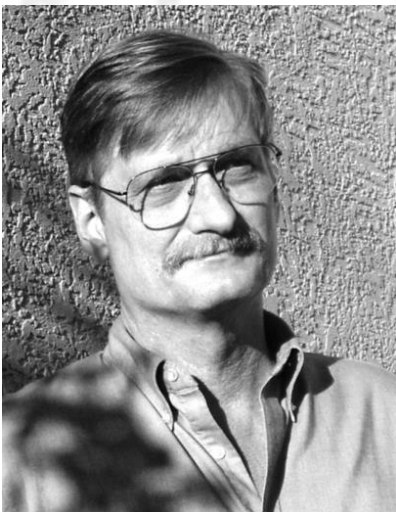
**Dr. David Phillips**  
Curator, Maxwell Museum  
University of New Mexico



## **"China Then and Now" Exhibit and Cultural Programs**

Dave Phillips will talk about an upcoming exhibition of Chinese ceramics, and related public programs, at the Maxwell Museum of Anthropology, UNM. As is common in museums today, one goal is to work collaboratively with the Chinese-American/overseas Chinese communities on the content of the exhibition and public programs. The "China Then and Now" programs are inspired by a collection of Chinese ceramics that range from the Neolithic period to modern times.

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**Dr. David Phillips** is the curator of Archaeology for UNM's Maxwell museum and a research associate professor of Anthropology. Born and raised in Latin America, he has been involved in archaeology for 44 years. Most of his fieldwork has been done in Arizona and New Mexico but he has also worked elsewhere in the U.S. and in Chihuahua, Mexico. His current research interests include quantitative modeling and the site of Pottery Mound. He is working on a two-year program featuring China's heritage and the connection to New Mexico.

His talk is part of ongoing effort to inform the Albuquerque's Chinese community and to identify individuals who might be interested in being involved as the museum develops the main set of programs (including a large exhibit of Chinese ceramics) for 2015

## Dr. Olga Lavrova

Assistant Professor, ECE at UNM

### SHADE & Solar Decathlon 2013


The Solar Decathlon is a collegiate competition sponsored by the US DOE, which challenges university students to design and build solar-powered homes. Our entry for the Solar Decathlon 2013 is called SHADE, which stands for Solar Homes Adapting for Desert Equilibrium. SHADE is designed for an active retired couple in Phoenix Arizona. The desert ecosystem served as the inspiration for SHADE, which incorporates some of the strategies desert organisms use to adapt to their environment. SHADE has been designed and built by faculty-lead students of Team ASUNM, a collaboration between Arizona State University (ASU) and the University of New Mexico (UNM).

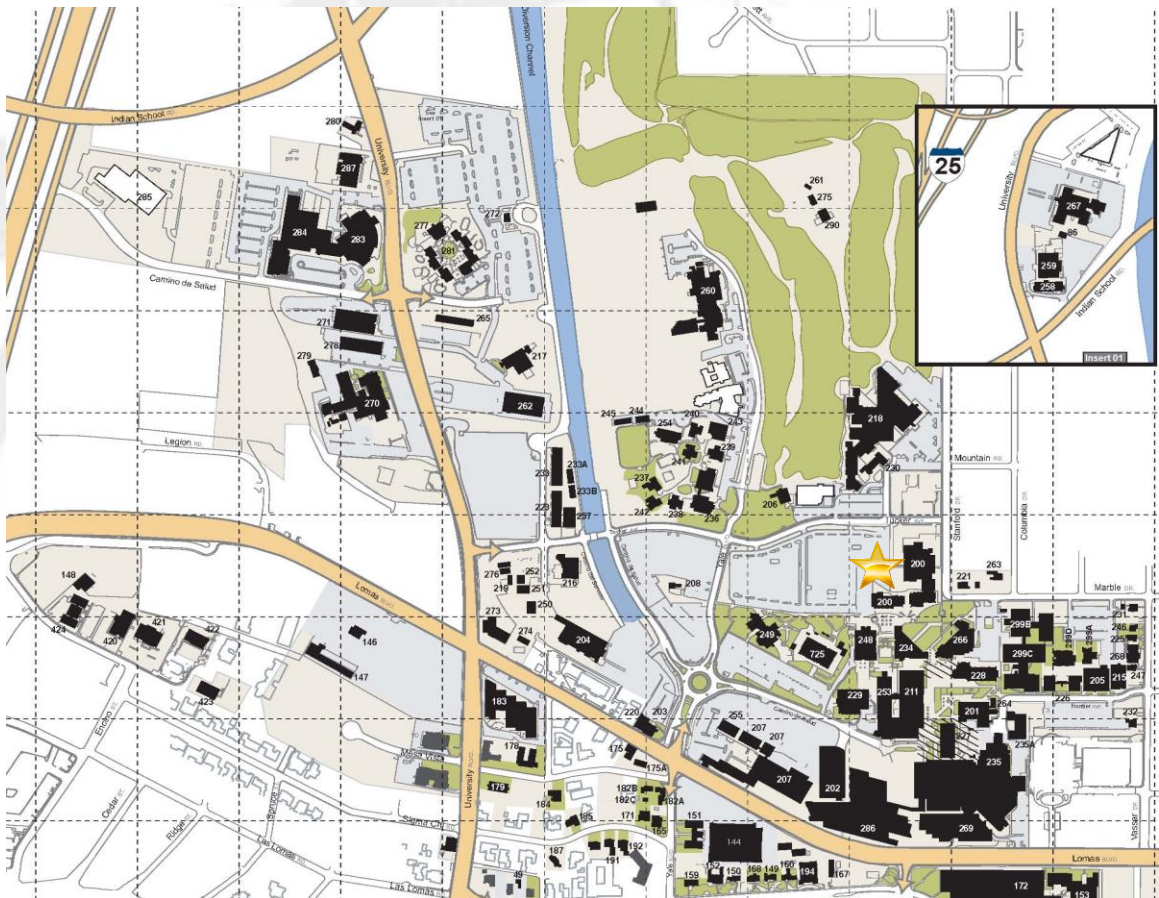
SHADE was designed and constructed as 4 separate modules which include the South porch and PV canopy, the South module housing the living and dining area, the North module housing the bedroom, bathroom, and flex space, and the Mechanical module. This \$285K luxurious structure that can produce more energy than it consumers had been reassembled at a solar housing community in Albuquerque, Mesa Del Sol. Further research was conducted to focus on smart-grid integration of PV houses. . [www.asunm.org](http://www.asunm.org) and [www.solardecathlon.gov](http://www.solardecathlon.gov)



**Olga Lavrova** received her BSc in EE & Physics from A.F.Ioffe Physics Technical Institute, St.Petersburg, Russia in 1993, her MS in ECE, Univ. College London, and her PhD in ECE, UC Santa Barbara, 2001. Dr. Lavrova joined ECE Department in August 2007. Her research interests include photovoltaics and nano-scale semiconductor structures for photovoltaic applications, as well as Smart Grid and emerging energy generation, distribution and storage technologies.

### Driving Directions:

1. Take I-25 south to exit 225 (Lomas Blvd). Merge onto Frontage Rd.
  2. Turn left onto Lomas Blvd.
  3. Turn left onto Yale Blvd.
  4. At traffic circle, continue straight to stay on Yale Blvd.
  4. Turn right onto Tucker Rd.
  5. Park your car in the M-Lot on the right side of Tucker and walk towards east to the Domenici Center on the corner of Stanford Dr. and Marble Ave.
- Note: The Domenici Center consists of two jointed buildings (Building# 200). The Auditorium is on the east side of the jointed building. See 



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