

## ALBUQUERQUE SECTION 1324

By Hy Tran, NCSLI Section Coordinator



For the spring 2013 NCSLI Albuquerque section meeting, Dilip Shah kindly agreed to give a tutorial on measurement uncertainty, sponsored by ASQ Measurement Quality Division.

We selected March 25, 2013 as the meeting date, thinking that coordinating travel with the end of the Measurement Science Conference (MSC) would help Dilip's travel—unfortunately, the airlines were not cooperative, so Dilip had to fly from LA back to Cleveland, then, back to Albuquerque. The spring meeting had 42 pre-registered attendees; 40 signed-in.

The meeting was hosted by Professors John Wood and Ron Lumia, of the Mechanical Engineering Department at the University of New Mexico (UNM). They provided a large conference room in UNM's Science and Technology Park, at no charge to NCSLI. Attendees included a mix of students, management, measurement technologists, engineers, and uncategorized attendees.

Dilip gave an excellent presentation, including hands-on experiments with the at-

tendees, until lunch. Paul Packebush from National Instruments, the NCSLI Division Vice President, gave an update from the NCSLI Board of Directors just before lunch.

A run for pizza was organized for lunch, with 75 % of the attendees participating. After lunch, Dilip finished his tutorial, including extensive calculations of the parameters necessary in estimating the uncertainty of measurement of the unit-under-test brought by Dilip, with measurement tools provided by Hy Tran, NCSLI section coordinator.

After the tutorial concluded, the participants talked about the next meeting. The following requests were made for topics for the next section meeting: Cables and connectors; grounding and shielding; calibration intervals. Drawings were made for door prizes (four of the door prizes, and

the speaker gift, were hand-made by myself, Hy Tran). Other door prizes included NCSLI 50th anniversary insulated cups and NCSLI notebooks.

I would like to express my appreciation to Dilip and ASQ/MQD for Dilip's travel. I would also like to express my appreciation to the UNM Mechanical Engineering Department and Manufacturing Program for sponsoring the meeting venue; to Mark Benner at Sandia for arriving early to help set up; to NCSLI International; to Paul Packebush for traveling to Albuquerque to provide the Board of Directors update; Jon Sanders at Fluke for trying to come (but having his flight cancelled); and to Gwen Sorensen at Sandia for typing all the certificates of attendance.

[hdtran@sandia.gov](mailto:hdtran@sandia.gov)



Hy Tran, NCSLI Section Coordinator, presented his hand made pens as door prizes and as the speaker gift. The second pen from the right, in mesquite, was presented to Dilip Shah.



Dilip Shah talks about uncertainty.