



SCCAVS Newsletter

October 2012

The Science & Technology of Materials, Interfaces, & Processing

Special points of interest:

- Photos and Event Details from SCCAVS Exhibition held October 3, 2012 at UCLA
- Elmer Carvey Scholarship Winner Announced
- SEW Held in Long Beach for 2013 — Calling all teachers!

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SCCAVS Exhibition at UCLA

Corinne D'Ambrosio
(Photos by Jeff Lince)

On October 3rd, the Southern California Chapter of the AVS Science & Technology Society held a successful equipment exhibition, short course program, and student poster session at UCLA's Covel Commons. The event was held in the prestigious Grand Horizon Ballroom in De Neve Plaza, with beautiful panoramic views of the campus from an outdoor patio. With 20 exhibitors and attendees from as far as Philadelphia, the event drew a crowd including those from academia and industry.

Alongside the equipment exhibition, there was a short course program held in West Coast Rooms A and B. Thank you to Steven George of the University of Colorado, Boulder, the instructor of a course on *Atomic Layer Deposition*. We were also lucky to have Bill Sproul of Reactive Sputter, Inc. to teach the *Practice of Reactive Sputter Deposition* course. The courses were well-received by the students.

In the Grand Horizon Salon a student poster session was held with entries from local Universities, including UC Los Angeles, UC Riverside, UC Irvine, and USC. The students did a wonderful job presenting their findings and enjoyed discussing their projects with exhibition attendees.

We would like to thank our sponsors, **R.D. Mathis** and **Kurt J. Lesker**, for their generous support of our evening reception and raffle. Thanks are also due to each and every one of our exhibitors, whom we hope to see in 2014 at

**THANK YOU
To Our
2012 SCCAVS
Exhibitors!!!**

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NANOVEA
Nor-Cal Products, Inc.
Osaka Vacuum USA Inc.
Pfeiffer Vacuum
Physical Electronics**

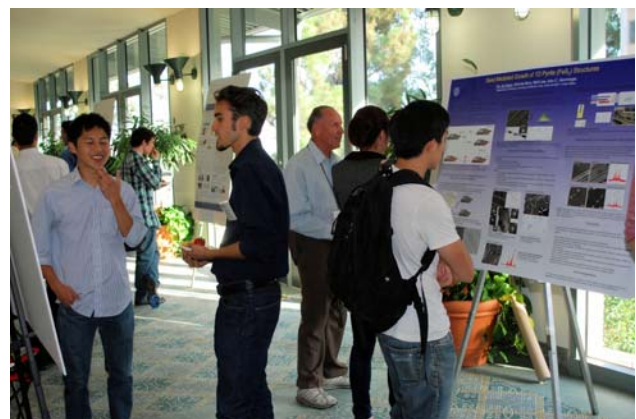


**Rigaku Innovative Technologies, Inc.
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(cont'd) our next local Chapter show. The 60th AVS International Symposium & Exhibition will be held at the Long Beach Convention Center from October 28th to November 2nd, 2013. The SCCAVS will be your local host Chapter, and then will return to the Los Angeles area for our annual SCCAVS Exhibition in October 2014.

Feedback from the show was positive and we were pleased to find that the University setting seemed was convenient and attractive to the exhibitors and attendees. One lucky UCI student took home the Amazon Kindle Fire raffle prize courtesy of Kurt J. Lesker. R.D. Mathis made sure all attendees and exhibitors were happy by providing a wonderful reception complete with Firestone Walker beers and Mondavi wines!

The SCCAVS wants to make sure we see YOU at our next exhibition. Your feedback is essential to us. If you have any suggestions for future shows or short course topics, please contact us at chair@sccavs.org



Student Poster Session at UCLA's Covel Commons...

MORE ON PAGE 5!!!

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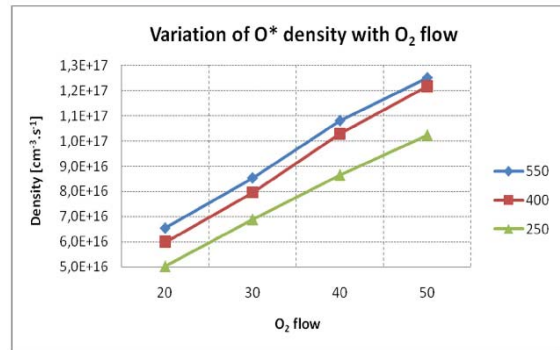
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SOUTHERN CALIFORNIA
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MATERIALS,
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PROCESSING

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We're on the web!
www.sccavs.org

Upcoming Events

AVS 59th International
Symposium &
Exhibition
October 28-Nov 2
Tampa, FL



Local Chapter Activities

Announcing the Elmer Carvey Scholarship Winner 2012

Jeff Lince

The winner of the 2012 Elmer Carvey Scholarship is Jaideep Dudani, an undergraduate student at University of California, Los Angeles, majoring in Bioengineering. He is performing undergraduate research with Professor Dino Di Carlo.

Mr. Dudani's research involves developing novel biological diagnostic techniques by finding a method to switch living cells from one solution to another completely different solution in a completely passive manner and at high-throughput (thousands of cells per second). The work employs simple microfluidic systems, modeling cells by using polymer beads of varying sizes.



Mr. Jaideep Dudani, undergraduate student at UCLA, is this year's Elmer Carvey Scholarship Winner

Mr. Dudani has presented results from his work at two scientific conferences and has co-authored a publication in the journal *Small*. In addition to the Elmer Carvey Scholarship, he has received other honors, including the Barry M. Goldwater Scholarship and a Howard Hughes undergraduate research fellowship. Finally, he has made these manifold accomplishments while maintaining a strong academic record. Mr. Dudani plans to continue his work at the graduate level, ultimately continuing on to academia as a Professor.

The Elmer Carvey Memorial Scholarship was established in honor of Elmer Carvey, an active member of the SCCAVS from 1964 until 1982. The Scholarship is awarded to undergraduate students attending public, four-year colleges in California who are planning careers in areas of interest to the society, which include vacuum-related technologies, surface and thin film science, nanotechnology, the understanding of materials properties, and the development of new materials. The stipend is \$1,500.00 for one year.



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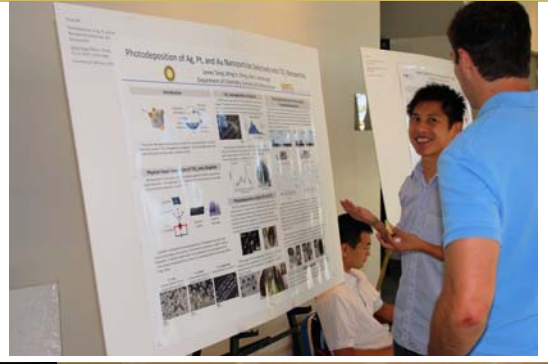


CHAPTER ANNOUNCEMENTS

AVS 60th International Symposium and Exhibition will be held in 2013 at the Long Beach Convention Center.

This means the SCCAVS will be the local hosting Chapter!

We will be soliciting applications for local teachers to attend the Science Educators Workshop... stay tuned for updates by frequently checking our website at www.sccavs.org



Thank you to ALL for making the 2012 SCCAVS Exhibition & Short Course a Success!



October 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3 SCCAVS Expo @ UCLA	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31 