



Student Chapter Bi-Annual Report December 2006

Club Officer List

Sean Inaba	President	skinaba@ucdavis.edu
Michael Mele	Vice President	mzmele@ucdavis.edu
Stanley Hendratna	Treasurer	shendratna@ucdavis.edu
Kathy Nguyen	Secretary	ktngu@ucdavis.edu
Sarah Hsia	Activity Chair	shra@ucdavis.edu
Shayna Khatri	Activity Chair	sskhatri@ucdavis.edu
Nick Antipa	Activity Chair	naanitpa@ucdavis.edu
Yasuyuki Ichikawa	Webmaster	yichikawa@ucdavis.edu
Kenneth Whitwer	EJC Representative	kkwhitwer@ucdavis.edu

Members

Robert Dalgren	Everest Liu
Adam Dittli	Camille Magno
Derek Fung	Eric McCutcheon
Bing Guo	Michael Mele
Matthew Harrington	Kathy Nguyen
Stanley Hendratna	Ankit Patel
Jonathan Hsia	Evan Prast
Sarah Hsia	Steven Ross
Sean Inaba	Winnie Tong
Shayna Khatri	Zhou Zhou
Li Juan Lei	

Recent Club Activities

- 1) Aug 13: Four of the club officers attended the SPIE Leadership Conference at the Optics & Photonics Conference in San Diego, Ca. They were able to learn more about their other fellow SPIE student chapters and acquired ideas on how to improve the UC Davis chapters outreach program.

- 2) Aug 15: More members were able to make it to San Diego for the Optics & Photonics Exhibition. They helped tend the table set up to announce our club activities and were able to hand out over 25 resume CD's. They also were able to learn more about the different applications of optics from different research groups and companies that also had displays at the Exhibition. Member Attendance: 8.
- 3) Oct 2: The Optics Club held its first officer's meeting of the new school year. Officers discussed plans for outreach at on campus events and nearby Science Museums, High Schools and City Colleges. They also discussed plans to better advertise the club with a new club logo, website design and T-shirt design. Lab tours were discussed and the officers agreed to sponsor one lab tour a quarter. Tinsley Labs and the National Ignition Facility (NIF) at in the Lawrence Livermore Laboratories (LLNL) were selected to be toured. Member Attendance: 8.
- 4) Oct 6: A display similar to that at the Optics & Photonics Exhibition was set up at a UC Davis College of Engineering sponsored ice cream social and were able to obtain 12 Email addressed of those interested in studying optics. Member Attendance: 6.
- 5) Oct 9: The Optics Club held its first meeting for all members. Non members interested in the club were welcome. Lab tours, outreach, new logo design contest, guest speakers and club outings were discussed. Beginning stages of planning were set for arranging the tours with the labs. Activities Chair Shayna Khatri volunteered to make arrangements with Tinsley because of her continued internship there. Vice President Michael Mele was volunteered to contact Dr. Yin Yeh, a Professor from the Optics Program at UC Davis, about the NIF tour because of Dr. Yeh's many contacts with LLNL. Activities Chair Nick Antipa volunteered to find new outreach displays and activities and to improve on the City of Davis favored "Laser Maze" for the upcoming UC Davis Picnic Day. Member Attendance: 12.
- 6) Oct 9: A few hours after the meeting, a lecture was held by Nick Fontaine, a UC Davis electrical engineering graduate student who helped design the current laser maze. The lecture described the circuit design for the modulated laser and receiver used in the laser maze. Nick Fontaine also held a discussion on how to change the signal from a continuous analog signal to a digital signal so that the divergence of the laser would not be as much of a factor in receiving a cleaner signal. He also agreed to work with our own Nick Antipa to build the new laser by Picnic Day. All UC Davis students were invited. Member Attendance: 10.
- 7) Oct 21: A display was set up to promote the study of the Optical Sciences at the UC Davis sponsored Preview Day. Preview Day brings high school students to the University to preview the different possible majors offered by the University.

Optics club members were asked to help represent the Department of Applied Science. Member Attendance: 5.

- 8) Nov 13: A meeting was held for all Optics Club members and those interested in the club. Non members were encouraged to join SPIE. Updates on lab tours were announced, as well as progress on the development of new outreach activities. A list of members were assigned to contact High Schools and City Colleges in different areas of Davis, Sacramento, Woodland and Dixon and request permission to proceed with our outreach at their schools. Details of the new logo design contest were finalized. The contest began after the meeting and was set to end on Jan 3, 2007. Fliers were set up around campus and emails were sent to the UC Davis art and design students. Member Attendance: 12.

- 9) Dec 4: A short officers meeting was held to finalize events for the winter quarter. The logo design and lab tour dates were finalized. Activities chairpersons Nick Antipa and Shayna Khatri suggested that the club construct more displays for events in which a room with controlled lighting is not accessible. Some suggestions were: on-line laser game simulating geometrical optics, a display relating to fiber optics, a display explaining solar panels, and contacting Professor Brian Kolner about constructing a display relating to Fourier optics. Secretary Kathy Nguyen suggesting starting a “Buddy System”, in which the optics junior or senior pairs with a freshman or sophomore optics undergraduate. The senior and junior buddies will act as a mentor to the younger student by answering questions about classes, internships, and areas of interest.

Future Events

- 1) Logo contest judging: January 5th
- 2) Snowboard Trip/club bonding: January 12th
- 3) Tinsley laboratory tour: January 19th
- 4) Photonics West: January 20-25
- 5) Optical Fibers Conference in Anaheim: March 25th -26th
- 6) NIF Tour: March 30th
- 7) Lake Tahoe Cabin Trip: April 13th-15th
- 8) Outreach: January – May 2007

Financial Information

Starting Balance = \$1198.20

SPIE travel grant addition = \$1000

Expenses	Amount	Balance
Food for meetings	\$ 193.56	\$ 2004.64
Outreach	\$ 2.56	\$ 2002.08
SPIE Optics & Photonics 2006 in San Diego, CA (gas, food, hotel)	\$ 904.09	\$ 1097.99

Ending Balance = \$1097.99

Images of Members

Optics & Photonics Conference:



The Grinding Lab:



Club Barbeque:



Thank you again for the opportunity to represent your organization,

Sean Inaba
SPIE President 06-07
UC Davis Chapter

Kathy Nguyen
Secretary 06-07
UC Davis Chapter