The SPIE Student Chapter at CREOL/College of Optics and Photonics and Florida Photonics Center of Excellence (FPCE) at the University of Central Florida is an integral part of the CREOL Association of Optics Students (CAOS) and is working in synergy with the student chapters of OSA and IEEE/LEOS in a continuing effort to lead and coordinate the activities related to optics and photonics at the University of Central Florida.

An important aspect of the SPIE CREOL/UCF Student Chapter is that being part of CREOL/FPCE it participates actively in all student events. During 2005 SPIE CREOL/UCF Student Chapter, in association with CAOS, OSA and IEEE/LEOS Student Chapters, participated in organizing various academic and social events. SPIE CREOL/UCF Student Chapter is also working closely with the UCF Student Government Association (SGA) through our CREOL CAOS Senator, representing the School of Optics in the UCF Senate.

List of current Student Chapter members:

Archundia-Berra, Luis  Koay, Chiew-Seng  Ruhge, Forrest
Baleine, Erwan  Koehler, Charles  Salem, Mohamed
Balu, Mihaela  Kratchounova, Daniela  Sarkissian, Hakob
Bang, Hyungseok  Lee, Kye-Sung  Savchyn, Oleksandr
Bickel, Nathan  Li, Jun  Schwartz, Chaim
Brown, Jeremiah  Lin, Yi-Hsin  Siiman, Leo
Caba, Wilson  Mandviwala, Tasneem Ms.  Song, Qiong
Cakmakci, Ozan  Martins, Ricardo  Sung, Jinwon
Curatu, Costin  May-Arrioja, Daniel  Takenoshita, Kazutoshi
Curatu, George  Meier, Joachim  Tharp, Jeffrey
DuBosq, Todd  Middlebrook, Chris  Wang, Haiying
Ellis, Jeremy  Middleton, Charles  Wen, Chien-Hui
Fidopiastis, Cali  Murali, Supraja  Wu, Yung-Hsun
Ginn, James  Nie, Xiangyi  Yilmaz, Yigit Ozan
Khan, Saijad  O'Daniel, Jason  Zhou, Ying
Kim, Inwoong  Ozharar, Sarper  Zou, Wei-yao
Kim, Kyungbum  Pitchumani, Mahesh

Total: 50 members

Chapter activities since last report:

- We had 11 students travel and present papers at Optics and Photonics, the SPIE 50th Annual Meeting in San Diego, 2005.
- Organization of the 2005 UCF Optics Day, a major UCF event sponsored by the Student Government Association and promoting the fields of Optics and Photonics among the UCF student body. This initiative was once again successful in its second year.
- Organization of the CREOL Industrial Affiliates Day: one of the major events in the establishment of long-term partnership between the optics industry in Florida and the US and the University of Central Florida/CREOL/FPCE.
- Organization of the 2005 annual CREOL “Spring Thing”: a major social event held by the UCF Vice President of Research and aimed at introducing CREOL faculty and students to
various members of the regional and national optics industry, establishment of CREOL students’
community and recruiting of new optics students.
• Organization of the 2005 annual CREOL “Fall Picnic”: another major social event aimed
at introducing the newly admitted CREOL students to their peers and CREOL Faculty members.
• 2005 Student of the year award: this award is intended to recognize outstanding academic
and scientific achievements of the graduate students within the College of Optics and
Photonics/CREOL. The winner of the award received a Graduate Fellowship Enhancement in the
amount of $500 provided by the School of Optics/CREOL and a certificate of achievements. The
finalists received a Graduate Fellowship Enhancement in the amount of $100.
• 2005 CAOS Teacher of the year award: every year CREOL students are asked to
nominate and vote for the professor who overall impressed them the most in class (laboratory) in
terms of clarity of the message, lecture flowing, availability outside class, handouts, feedback on
homework and exams, fairness in grading, etc.
• Organization of the 2005 annual Thanksgiving dinner and 2005 CREOL Christmas Party
for CREOL students, staff, faculty members, board members, alumni and affiliates.
• Student mentoring: In 2005/2006 Academic Year SPIE Student Chapter, along with
CAOS, OSA and IEEE/LEOS established student mentoring for students planning to take their
Ph.D. qualifying exam. Through this initiative senior Ph.D. students are mentoring students who
are in the process of preparation for their qualification examination.
• Qualifier Study Sessions: To help students prepare for their qualifier exam, study
sessions were organized so that older students could answer questions and help younger students
to prepare both academically and psychologically for the exam. These sessions were incredibly
successful: 100% of the students who attended more than one of the eight meetings passed the
qualifying exam in August 2005.
• Numerous tours of CREOL for visitors ranging from middle/high school students to
industrial affiliates and faculty members.
• Election of new officers in August: Costin Curatu, President; Yung-Hsun Wu, Vice
President; Kazutoshi Takenoshita, Secretary; Ricardo Martins, Treasurer.
• Chapter meeting to form committees to increase student member participation in
activities: With pizza paid for by SGA, we held a meeting for current and prospective SPIE
members to discuss future chapter activities. We then called for volunteers to serve as committee
chairs for the future activities, in an effort to involve more students (traditionally, the elected
officers do all of the work and regular student members miss out on chances to learn and serve).
Committee chairs will be able to draw on SPIE student chapter members to form ad hoc
committees as activities approach and more help is needed. The response was very encouraging,
with four volunteers who have never been involved in student chapter activities, and five new
members joining as a result.

Future chapter activities:
• Travel to SPIE Annual Meeting: we hope to have an even larger student representation at
the 2006 annual meeting.
• 2006 Visiting Lecturer Program participation.
• 2005 Newport Exceptional Graduate Student Award: Award Program to recognize
outstanding scientific achievements of the graduate students in the School of Optics/CREOL.
• Organization of the 2006 Optics Day, activity funded by the SGA to promote Optics and
Photonics throughout the UCF community, now building on the successes of the past two years.
• Organization of the 2006 CREOL Industrial Affiliates Day: one of the major events in the
establishment of long-term partnership between the optics industry in Florida and US and the
University of Central Florida/CREOL/FPCE.
• Organization of the 2006 annual CREOL “Spring Thing”: a major social event held by
the UCF Vice President of Research and aimed at introducing CREOL faculty and students to
various members of the regional and national optics industry, establishment of CREOL students’ community and recruiting of new optics students.
• 2006 Student of the year award.
• 2006 Teacher of the year award.
• Fall 2006 CREOL Picnic: a major social event aimed at introducing the new students to the faculty and their peers.
• Student mentoring seminar series.
• Qualifier study sessions
• Faculty seminar series.
• More outreach activities, including visits to local elementary, middle and high schools. Several students have expressed interest in such activities, and we have started to put together a set of demonstrations with materials to hand out to participants, such as diffraction gratings, holograms, and liquid crystals.
• Student seminar series.
• Various outreach events.
• Tours and visits.

2005 SPIE scholarship recipients:
Mr. Nathan Bickel
Mr. Kevin Croussoire
Ms. Yi-Hsin Lin
Mr. Inwoong Kim

Chapter Financial Checkbook:

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<th>Trans</th>
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<th>Debit</th>
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<td>$ 521.06</td>
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</tbody>
</table>
Names and email addresses of elected officers:
President: Costin Curatu
ccuratu@creol.ucf.edu

Vice President: Yung-Hsun Wu
yhwu@creol.ucf.edu

Secretary: Kazutoshi Takenoshita
ktakenos@creol.ucf.edu

Treasurer: Ricardo Martins
ricardo@creol.ucf.edu

Activities photos: