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 2004, 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:

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Adela Apostol</td>
<td>Erwan Baleine</td>
<td>Mahesh Pitchumani</td>
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<td>Arnaud Zoubir</td>
<td>Fang Du</td>
<td>Mohamed Salem</td>
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<td>Bojan Resan</td>
<td>Inwoong Kim</td>
<td>Muzamil Arain</td>
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<td>Brian Monacelli</td>
<td>Ion Cohanoschi</td>
<td>Nathan Bickel</td>
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<tr>
<td>Cali Fidopiastis</td>
<td>Jason O'Daniel</td>
<td>Ozan Cakmakci</td>
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<tr>
<td>Ceyhun Akcay</td>
<td>Jeremiah Brown</td>
<td>Sajjad Khan</td>
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<td>Chaim Schwartz</td>
<td>Jeremy Ellis</td>
<td>Sarper Ozharar</td>
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<tr>
<td>Charles Koehler</td>
<td>Jinwon Sung</td>
<td>Supraja Murali</td>
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<tr>
<td>Charles Middleton</td>
<td>Joachim Meier</td>
<td>Tasneem Mandviwala</td>
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<tr>
<td>Chiew-seng Koay</td>
<td>Jun Li</td>
<td>Waleed Mohammed</td>
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<tr>
<td>Christopher Middlebrook</td>
<td>Kye-Sung Lee</td>
<td>Weiyou Zou</td>
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<tr>
<td>Costin Curatu</td>
<td>Kyungbum Kim</td>
<td>Yigit Yilmaz</td>
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<tr>
<td>Daniel May-arrioja</td>
<td>Leo Siiman</td>
<td>Yi-Hsin Lin</td>
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<tr>
<td>Erdem Uultanir</td>
<td>Luis Archundia</td>
<td>Yun-Hsing Fan</td>
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Chapter activities since last report:

- Organization of the 2004 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 2004 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 2004 annual CREOL “Fall Picnic”: another major social event aimed at introducing the newly admitted CREOL students to their peers and CREOL Faculty members.
- 2004 Student of the year award: this award is intended to recognize outstanding academic and scientific achievements of the graduate students within the School of Optics/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.

- 2004 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 2004 annual Thanksgiving dinner and 2004 CREOL Christmas Party for CREOL students, staff, faculty members, board members, alumni and affiliates.
- Student mentoring: In 2004/2005 Academic Year SPIE Student Chapter, along with CAOS, OSA and IEEE/LEOS established student mentoring for students planning to take their Ph.D. qualification 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 qualifier in August 2004.
- Numerous tours of CREOL for visitors ranging from middle/high school students to industrial affiliates and faculty members.
- Election of new officers in August: Charles Middleton, President; Yi-Hsin Lin, Vice President; Costin Curatu, Secretary; Christopher Middlebrook, 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:**

- 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 2005 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 2005 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 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.
- 2005 Student of the year award.
- 2005 Teacher of the year award.
- Fall 2005 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.

Names and email addresses of elected officers:
President: Charles Middleton
cmiddlet@mail.ucf.edu

Vice President: Yi-Hsin Lin
yilin@mail.ucf.edu

Secretary: Costin Curatu
ccuratu@mail.ucf.edu

Treasurer: Christopher Middlebrook
cmiddle@mail.ucf.edu