The SPIE Student Chapter at CREOL/College of Optics and Photonics and Florida Photonics Center of Excellence (FPCE) at the University of Central Florida has taken the lead among the various organizations at UCF in promoting the professional development of optics students. Through collaboration with the OSA and IEEE-LEOS student chapters, as well as our umbrella student organization CAOS (CREOL Association of Optics Students), and also acting independently, the SPIE student chapter has been involved in many activities in the past six months.

**List of current Student Chapter members:**

<table>
<thead>
<tr>
<th>Salem, Mohamed</th>
<th>Capostagno, Daniel</th>
<th>Baleine, Erwan</th>
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<tbody>
<tr>
<td>Lee, Kye-Sung</td>
<td>May-Arrioja, Daniel</td>
<td>Schreiber, Michael</td>
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<td>Bickel, Nathan</td>
<td>Middleton, Charles</td>
<td>Curatu, George</td>
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<td>Curatu, Costin</td>
<td>Cohanoschi, Ion</td>
<td>Kim, Kyungbum</td>
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<td>Ozharar, Sarper</td>
<td>Akcay, Avni</td>
<td>Archundia-Berra, Luis</td>
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<td>Siiman, Leo</td>
<td>Middlebrook, Chris</td>
<td>Kim, Inwoong</td>
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<td>Wu, Yung-Hsun</td>
<td>Ruhge, Forrest</td>
<td>Savchyn, Oleksandr</td>
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<td>Caba, Wilson</td>
<td>Kriazses, John</td>
<td>O'Daniel, Jason</td>
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<td>Zou, Weiyao</td>
<td>Koay, Chiew-Seng</td>
<td>Li, Jun</td>
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<td>Schwartz, Chaim</td>
<td>Fan, Yun-Hsing</td>
<td>DuBosq, Todd</td>
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<td>Mujat, Mircea</td>
<td>Fidopiastis, Cali</td>
<td>Tharp, Jeffrey</td>
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<td>Koehler, Charles</td>
<td>Arain, Muzamil</td>
<td>Ellis, Jeremy</td>
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<td>Hales, Joel</td>
<td>Khan, Sajjad</td>
<td>Lin, Yi-Hsin</td>
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<tr>
<td>Monacelli, Brian</td>
<td>Hainline, R. Clay</td>
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</tbody>
</table>

**Total: 41**

**Chapter activities since last report:**

- 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 third 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.

2005 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, SPIE student chapter member Jeremy Ellis, received a Graduate Fellowship Enhancement of $500 provided by the College of Optics/CREOL and a certificate of achievement. The finalists received a Graduate Fellowship Enhancement of $100.

Student mentoring: In the 2004/2005 academic year the SPIE Student Chapter, along with CAOS, OSA and IEEE/LEOS, continued 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.

Numerous tours of CREOL for visitors ranging from middle/high school students to industrial affiliates and faculty members.

Chapter meeting to inform chapter members of upcoming opportunities for travel grants and other SPIE student chapter benefits, and also to recruit new members. Students enjoyed free pizza, provided by the UCF Student Government Association (SGA).

With the remainder of our 2004 SPIE student chapter activity funds, we purchased a laptop computer for student chapter members to use at conferences. Already this computer has been used by student chapter members at many conferences across the United States, including three SPIE conferences.

A new display project was added to the growing family of optics display projects that have been built by CREOL students over the years. These projects are valuable teaching tools as part of our outreach efforts. The new project demonstrates a privacy window using polymer-dispersed liquid crystals.
• Local science fair judging: Student chapter members were given the opportunity to influence young minds and give back to the community by helping to judge science fairs at local middle schools and high schools.

• Optics demonstration kit: We received an optics demonstration kit from OSA/University of Rochester, which contains small “hands-on” examples of optics that can be presented to younger students. The demonstration kit has been used by chapter members as part of outreach efforts in three local classrooms so far, and more visits are planned.

• Faculty seminar: While enjoying pizza provided by SPIE (using chapter activity funds), students listened to Prof. George Stegeman’s talk, “Discrete Non-linear Optics.” Over 80 students were in attendance.

Future chapter activities:

• Travel to SPIE Annual Meeting: With help from the student chapter, CREOL was awarded a travel grant from SPIE to help students attend the annual meeting. Thanks to this grant and other funds (including the student chapter travel grant and a grant from SGA), our student chapter will be represented by 14 members at the meeting.

• Organization of the 2006 Optics Day, activity funded by SGA to promote Optics and Photonics throughout the UCF community, now building on the successes of the past three 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.

• 2006 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.
• Student seminar series.
• 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