Officers for 2013-2014 Academic Year:
President: Alexandra Artusio-Glimpse (aba5677@rit.edu)
Vice President: Thomas Kinsman (btk1526@cis.rit.edu)
& Daniel Goldberg (dsg2821@rit.edu)
Treasurer: Joe McGlone (jfm2738@rit.edu)
Secretary: Lindsay Quandt (lmq5620@rit.edu)

Newly Elected Officers for 2014-2015 Academic Year:
President: Alexandra Artusio-Glimpse (aba5677@rit.edu)
Vice President: Thomas Kinsman (btk1526@cis.rit.edu)
Treasurer: Joe McGlone (jfm2738@rit.edu)
Secretary: Lindsay Quandt (lmq5620@rit.edu)

Current Chapter Members:
Alexandra Artusio-Glimpse
Madhurima Bandyopadhyay
Burak Baylav
Andrew Burbine
Patsy Cadareanu
Javier Concha
Mert Corbaci
Daniel Goldberg
Riaze Hague
Thomas Kinsman
Zac Levinson
Christian Lewis
Nick Maggio
Sanjit Maitra
Christopher Maloney
Joe McGlone
Victoria McGowen
Tushar Paranjpe
Sankaranaryanan Piramanayagam
Xiaopeng Peng
Lindsay Quandt
Ross Robinson
Garreth Ruane
Luke Rumbaugh
Timothy Rupright
Katie Salvaggio
Anthony Schepis
Saugata Sinha
Christian Taylor
Dmitry Vorobiev
Amanda Ziemann

Alumni Roster:
James Shell
Honghong Peng
Peng Xie
Douglas Axtell
Mustafa Jaber
Arial Schlamm
Gregory Fertig
Disa Zaplatosch

Chapter Activities

1. Chapter Grant Funding Expenditure

Funds Raised & Expended
<table>
<thead>
<tr>
<th>Activity Description</th>
<th>Date</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beginning Balance</td>
<td>9/1/2013</td>
<td>$1689.81</td>
</tr>
<tr>
<td>OSA Start-up Funds</td>
<td>1/9/2014</td>
<td>$250.00</td>
</tr>
<tr>
<td>Lovin’ Cup Social</td>
<td>2/18/2014</td>
<td>-$291.04</td>
</tr>
<tr>
<td>Poster Printing</td>
<td>2/18/2014</td>
<td>-$54.06</td>
</tr>
<tr>
<td>Breakfast for Writing Workshop</td>
<td>2/26/2014</td>
<td>-$55.63</td>
</tr>
<tr>
<td>Hub Printing</td>
<td>2/26/2014</td>
<td>-$20.52</td>
</tr>
<tr>
<td>Lunch with Dr. Shaw</td>
<td>5/9/2014</td>
<td>-$43.09</td>
</tr>
<tr>
<td>Flyers for Guest Speaker</td>
<td>5/9/2014</td>
<td>-$32.40</td>
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<tr>
<td>Ending Balance</td>
<td>5/15/2014</td>
<td>$1376.91</td>
</tr>
</tbody>
</table>

II. Were these activities described in your funding request? All activities were included in the funding request.

III. Activity Descriptions

- **Optics Outreach Olympics at Optics & Photonics in San Diego**
  In August 2013, Aly Artusio-Glimpse and Thomas Kinsman traveled to San Diego to present the Schlieren system at the Optics Outreach Olympics.

- **Rochester OSA Family Night**
  On December 14, 2013, the SPIE chapter attending Rochester OSA family night to demonstrate the Schlieren system to children and families.

- **College of Science Club Fair**
  On January 30, 2014, the SPIE chapter set up a table at the RIT COS Club Fair to attract new members.

- **RIT STEP (Science Technology Entry Program)**
The Carlson Center for Imaging Science at RIT hosted the Science Technology Entry Program (STEP) on February 7. This was an open house event to promote imaging and optical sciences to high school students and their families. The SPIE Chapter exhibited our Schlieren table-top imaging system to demonstrate some of the novel yet simple applications of optical processing of light.

- Networking Social with UofR SPIE and Rochester OSA Section
  On February 13, 2013, RIT SPIE student members joined students from the University of Rochester SPIE chapter and Rochester OSA members for some food and conversation at Lovin’ Cup.

- Engineering Club Fair
  On February 17, 2014, the SPIE chapter set up a table at the RIT Engineering Club Fair to attract new members.

- Grant Writing Workshop
  This was a two hour workshop designed to help students develop their grant writing skills. Instructed by Dr. Rebecca Sumner, a Proposal Development Specialist from Sponsored Research Services at RIT, led students on discussions about the differences between academic and grant writing, various funding programs and what each expect, and evaluations of effective project statements. Students completed a three paragraph statement to sell their own research and ended the workshop with questions and answers.

- Hosted June Thompson at RIT
June Thompson, Membership Manager at SPIE, visited RIT and the SPIE Student Chapter on March 4, 2014. Students from the chapter rehearsed their elevator speech while June visited each research lab. We then joined June for lunch and discussions about the success of each presentation of student research, and ended the day with a tour of the art galleries on campus.

- **Picnic with UofR**
  On May 2, 2014, the SPIE chapter had planned a joint picnic with the University of Rochester SPIE chapter, but it had to be cancelled due to rain.

- **Imagine RIT**
  On May 3, 2013, SPIE student members hosted an exhibit at the Imagine RIT Creativity and Innovation Festival to educate the community and other students about Schlieren Imaging and the SPIE student chapter. The Schlieren imaging system was out and available for individuals to investigate and observe the results of this unique optical setup. Posters describing the system were on display and participants had the option of taking home a photograph of Schlieren at work. Over 30,000 people attend Imagine RIT every year so it is a great outreach opportunity for our chapter.

- **Guest Lecture by Dr. Shaw**
  Dr. Joseph Shaw, Director of the Optical Technology Center, Professor of Optics and Photonics, Professor of Electrical and Computer Engineering, and Affiliate Professor of Physics at Montana State University in Bozeman, Montana, gave an excellent lecture entitled “Optics in Nature: a photographic tour” through the
visiting lecturer program (funded by OSA). The audience of approximately 30 attendees were a mix of students and faculty from a variety of disciplines as well as alumni and other inquisitive members of the Greater Rochester area. This talk reviewed natural optical phenomena such as rainbows, halos, glories, and auroras with photographs and optical diagrams.

- **Optics Exploration Workshop at Penfield Middle School**
  Optics has been removed from New York State school curriculum, so the RIT SPIE chapter designed an Optics Exploration Workshop to educate middle school students about these physical concepts. An additional report detailing these activities may be retrieved from Thomas Kinsman.

- **Meetings**
  Six meetings have been held during this calendar year. Members used this time to organize events and outreach activities. The minutes for each of these meetings can be found at this website: https://sites.google.com/a/g.rit.edu/spie-student-chapter-at-rit/meeting-minutes/2012-2013-academic-year-1

**Planned Activities for Future**

- **Member recruitment event**
  A social event with games to promote the chapter early in the year. Proposed budget includes catered dinner and drinks for 30 people - $200
• Joint Chapter Picnic
  With the OSA chapters at RIT and the University of Rochester, the Society for Imaging Science and Technology Club at RIT, the Photo Sciences Club at RIT, the local OSA Rochester Section, and the Monroe Community College Optics Club.

• Facilities Tours
  Gradient Lens Corp. and Triptar. Transportation projected cost is $50.

• Guest Speaker
  Through the visiting lecturer program.

• Practical Optics Workshop
  A series of weekly meetings designed to offer professional development opportunities for students of optics. Students will build laboratory and presentation skills useful in academic and industrial optics/imaging research. The workshop also offers a setting for students and faculty to share advice concerning the technical details of optical experiments.

• Optics and Imaging Research Talk Contest
  A 10 minute student presentation contest with prizes for first and second place. Graduate and undergraduate students will be separated into two sessions. Winners will be decided by the audience via an anonymous voting scheme.

• Holiday Party
  A social event for members of the chapter.
• Rochester OSA Family Night
  An annual event held at the University of Rochester for children and families interesting in learning and playing with hands-on optical experiments. The RIT SPIE chapter will present a Schlieren imaging system to visualize air currents.

• Writing Retreat
  Students spend three days removed from daily distractions to better focus on a demanding writing task such as a journal article, thesis, or grant proposal. At the end of each day, all students and a few writing professionals gather to discuss progress, ideas, brainstorm, and seek solutions to linguistic challenges in a group setting. Lunch, snacks, and coffee will be provided. Expected cost for 10 students is $550.

• Imagine RIT
  An annual event held at the Rochester Institute of Technology attracts thousands of people from the area for a day long event. The RIT SPIE chapter will present an upgraded Schlieren imaging system to visualize air currents with color. To upgrade the outreach demo materials cost $100.

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Financial Information

I. Beginning Balance: $1,689.81
II. Funds raised & expended (indicate amounts and source/destination):
## FUNDS RAISED & EXPENDED

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### III. Details of SPIE funding received:
For the 2013-2014 academic year, a SPIE Activities Grant of $1100 was received (included in last year’s report).

### IV. Other sources (please specify):
Since becoming a joint chapter with SPIE and OSA, OSA also contributed $250 in start-up funds.

### V. Ending Balance:
$1,376.91 as of May 15, 2014.