2016/2017 chapter officers

President: Lena Nolte, 3670827, l.nolte@lzh.de
Vice-President: Nicole Kallweit, 3490052, n.kallweit@lzh.de
Treasurer: Emanuel Saerchen, 3303241, e.saerchen@lzh.de
Secretary: Jan Hahn, 3421215, j.hahn@lzh.de
Advisor: Dr. Tammo Ripken, 649808, t.ripken@lzh.de

List of current members:
Bettina Altmann
Michael Desens
Mahmoud Essameldin
Dorian Hagenah
Jan Hahn
Patrick Heeger
Nicole Kallweit
Lena Nolte
Emanuel Saerchen
Sonja Johannsmeyer

Chapter's activities during the last year

Room Escape
As winter special, we proved our puzzle-skills by room escape. Several interactive brain twisters and puzzles needed to be solved to finally obtain the key to survival. We split up into two groups to compete against the other group by solving the tasks as fast as possible. As reward, the student chapter spend pizza for all who escaped the rooms. Moreover, we had a fun time afterwards by playing air hocky, table soccer, etc. The evening was a great opportunity for new students of our group to get to know each other more privately.
Visiting PTB and BRICS

For an exchange of research knowledge, we visited the *physikalisch-technische Bundesanstalt* (PTB) in Braunschweig, only 60 km away from Hannover. PTB is responsible for pacing the time of german and european clocks as radio-controlled watches and station clocks. We were lead next to the Cs-atomic clocks which are one of the precisest clocks nowadays. Furthermore, we were introduced into the experimental state of the art quantum computing technology. During our visit of Braunschweig, we also went to the *Braunschweig Integrated Centre of Systems Biology* (BRICS), which is a quite new research center dealing with bacterial research.

Visiting Philips GmbH in Hamburg

Together with interested colleagues of the *Hannoversches Zentrum für optische Technologien* (HOT) we visited the company *Philips GmbH* in Hamburg. The location in Hamburg is specialized in x-ray technology. The development and production of small mobile x-ray devices and up to large CT systems was part of our tour through the company buildings.
Members of the student chapter and HOT at Philips GmbH in Hamburg.

**Participating ECBO in Munich**

A highlight for German researchers is always the biennially exhibition *Laser World of Photonics* with corresponding conferences in Munich. Several members of our student chapter joined the conference to give talks and used the evenings for come together with alumni and cooperating researchers around the world.

Visit of the ECBO conference and exhibition in Munich by chapter members.

**Future-day at LZH**

That pupils become acquainted with biomedical optics there are regular internships for pupils in our group and furthermore the future-day at our institute. It is always excited to see the reaction and to obtain feedback and interesting questions from students with less background about physical effects. To show the wave-behavior of light by using gummy bears is quite a vivid description.
Chapter members show their work and describe effects of light to pupils.

Upcoming events in 2017

26.09.2017: Promoevent summer: BBQ

December: Promoevent winter: Christmas market

Chapter meetings

- 20.09.2016 at LZH
- 15.11.2016 at LZH
- 13.12.2016 at LZH
- 21.02.2017 at LZH
- 18.04.2017 at LZH
- 06.06.2017 at LZH

Financial Status

1. Beginning Balance:
   77.74 €

2. Funds raised and expended

<table>
<thead>
<tr>
<th>Date</th>
<th>Expenses €</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>27 Jul 2017</td>
<td>-17.07 €</td>
<td>First SPIE fee for new members (Michael Desens)</td>
</tr>
<tr>
<td>22 Jun 2017</td>
<td>-92.10 €</td>
<td>Transport to Hamburg (Emanuel Särchen)</td>
</tr>
<tr>
<td>22 Jun 2017</td>
<td>-103.20 €</td>
<td>Transport to Hamburg (Ben Matthias)</td>
</tr>
<tr>
<td>14 Mar 2017</td>
<td>-45.90 €</td>
<td>Transport to Braunschweig (Jan Hahn)</td>
</tr>
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<td>20 Dec 2016</td>
<td>-112.00 €</td>
<td>Room Escape</td>
</tr>
<tr>
<td>13 Dec 2016</td>
<td>458.10 €</td>
<td>SPIE Activity Grant</td>
</tr>
<tr>
<td>8 Nov 2016</td>
<td>-18.17 €</td>
<td>First SPIE fee for new members (Sonja Johannsmeier)</td>
</tr>
<tr>
<td></td>
<td>-1.10 €</td>
<td>Sum Banking Fees (last year)</td>
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</tbody>
</table>
3. Details of SPIE funding received:
   Activity Grant
4. Other sources:
   None
5. Ending balance:
   146.60 €