

SPIE Annual Report 2016/2017

La Sapienza SPIE Student Chapter

Sapienza University of Rome, Physics Department, Piazzale Aldo Moro 5, I-00185 Roma, Italy

-Chapter members

Officers:	President: Taira Giordani	taira.giordani@uniroma1.it
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Members: Taira Giordani, Iris Agresti, Sabrina Emiliani, Matteo Pompili, Emanuele Polino, Syed Adil Rab, Marta Tecla Falconi, Andrea Geraldi, Davide Poderini and Raffaele Silvestri

During this year there were lots of changes inside the Chapter. Previous president, vice president, secretary and treasurer have finished their PhD at our university. Chapter activities have had a break during this year, due to the lack of a new president. Meanwhile many Master's students, members in the last year, graduated and leaved the chapter, but others joined it. After the election of new president, we are now ready to restart with the same enthusiasm! We did a first reunion in which we have elected new chapters officers (vice president, secretary and treasurer) and we have discussed many proposals to restart Chapter's activities.



Figure 1. Part of members after elections! From left: Emanuele (secretary), Taira (president), Iris (treasurer), Davide, Sabrina, Raffaele and Andrea (vice president)

-Goals of the chapter for next year. This report summarises mainly our plans for the next year: the goal is to bring back Chapter's activities at high level, as in the previous report. Especially we focused in planning the strategies to begin new activities, also with the support of new members. For this purpose, the first step in this direction was the improvement of our presence on social networks, adding an Instagram and Twitter profile to the Facebook one. This is the easier way to reach new people that can join our chapter and start new projects. We plan to use these channels, including the website, also for scientific divulgation aims, sharing materials (papers, videos), making tutorials on basic Optics and Physics problem or simply answering our followers questions. In parallel, our program in divulgation will include the project "One day with optics, on tour!", that was reported in 2016. The event consists in visiting middle and high schools in Rome and showing to students basic experiments in Optics that they can reproduce easily. Experiments varies from the measurement of hair's diameter using light diffraction to the estimation of the speed of light with microwaves oven. This initiative will be also a first experience in teaching for Master's students of the Chapter. We are planning to organize events also in our Physics Department: first this allows us to become more popular and involve new students; second these activities will be focused in professional development of the members. Our aim is to coordinate seminars on topics related to our research group, such as Quantum Optics and Quantum Information, inviting professors from other departments and other countries. The final goal of the Chapter in this direction is to obtain a SPIE FOCUS Grant and organize a conference involving Masters, PhDs students and young post docs. In this way young researchers could have the opportunity to share their works and experiences carried out during their academic career. In the following a short scheme which summarises the main points of our plan for the next year.

- Restart our program in scientific divulgation.
- Visit middle and high schools in Rome and surroundings.
- Improve our website and social networks profiles for divulgation purposes, making the Chapter more popular in our Department.
- Organize social events at Sapienza University to involve new members outside our research group.
- Invite professors for lectures and seminars in our department.
- Organize a SPIE FOCUS Conference and initiatives for professional development.
- Increase the impact of the Chapter with new activities.

-Financial details

Description of the expenses	Amount (USD)	Amount (EUR)
Ending Balance 2015/2016 (see previous report for details)	708	665
SPIE Activity Grant December 2016	500	420
Ending Balance 2016/2017	1208	1436