

## SAOT Winter Academy

Schwangau, February 27<sup>th</sup>-March 3<sup>rd</sup>, 2023

### Course A - Basics of Optics

Course leader: Dr. Martin Hohmann (LPT, FAU)

*English Version of OPTEC lecture (Basics of Optics according to SAOT Credit Point System)*

This course is the English version of the course OPTEC, which during the winter semester is taught by Professor Schmidt in German language. As the successful completion of OPTEC or an equivalent lecture is mandatory for SAOT members, this English course is particularly attractive for SAOT members with weak or no German skills. You can take the OPTEC exam after the end of the course or sit for the ordinary examination offered after the lecturing period of the upcoming winter semester. If you pass the examination, you can earn 5 SAOT CPs. If you fail, you earn no CPs.

### Course B – Research data management

Course leader: Dr. Fabian Plass (CSC, FAU)

Research data management has become an essential part of scientific work in recent years. Due to the increased use of digital research data and tools such as Electronic Lab Notebooks (ELN), modern research institutions need powerful concepts and standardized processes to enable and ensure high data quality. The establishment of powerful data governance concepts as management tools based on data stewardship principles such as FAIR (findable, accessible, interoperable, and reusable) is therefore necessary. Together with Good Scientific Practice (GSP), they form the cornerstones of research data management. In this course, we approach the topic of research data management from its fundamentals to the life cycle of data and we discover tools for a successful use of research data and possible ways of publishing.