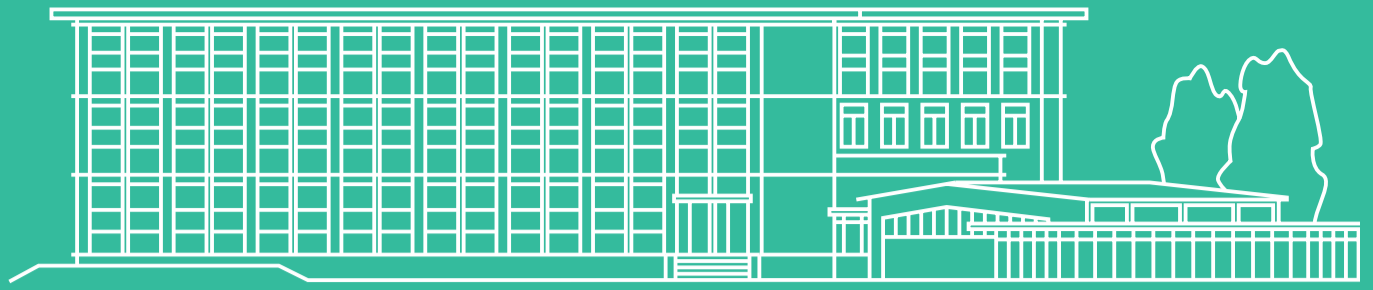




FRIAS

FREIBURG INSTITUTE
FOR ADVANCED STUDIES
ALBERT-LUDWIGS-
UNIVERSITÄT FREIBURG



FRIAS Junior Researcher Conference Quantum Control of Complex Systems

September 27 - 30, 2022

FRIAS seminar room, Albertstr. 19, 79104 Freiburg, Germany

Invited Speakers

- David Busto
- Katrin Dulitz/Erath
- Thomas Ebbesen
- Daniele Fausti
- Johannes Feist
- Stefanie Gräfe
- Markus Kowalewski
- Fabrice Laussy
- Dominik Lentrodt
- Michael Lubasch
- Helmut Ritsch
- Carlos Sánchez
- Christian Schäfer
- Tobias Schätz
- Frank Schlawin
- Norbert Schuch

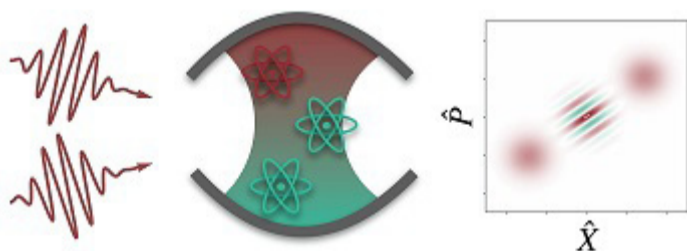
Many applications of quantum mechanics require the ability to prepare a system in an initial state and subsequently control its evolution to a desired final state. Classical light fields have proven a versatile tool for such a targeted manipulation of complex systems.

In this conference, we would like to bring together experts from the numerous fields related to quantum control to discuss whether the quantum nature of light can be exploited to extend the horizon of quantum control.

These fields include:

- quantum chemistry,
- coherent control,
- quantum information theory,
- cavity quantum electrodynamics.

The conference is organized by the Freiburg Institute for Advanced Studies (FRIAS) at the University of Freiburg. It is an event accessible to everyone. To ease our planning, please get in touch with us in case you intend to join (parts of) the event. Only if needed: The entire meeting will be an in-person event, in accordance with the 3G regulations (participants will need to provide evidence that they are either tested for, vaccinated against or recovered from COVID-19).



FRIAS Contact

kyra.vogt@frias.uni-freiburg.de

Organizers

Edoardo Carnio: edoardo.carnio@physik.uni-freiburg.de

Frieder Lindel: frieder.lindel@physik.uni-freiburg.de

Andreas Woitzik: andreas.woitzik@physik.uni-freiburg.de



Further information at