



Collaborative Research Center 910
**“Control of self-organizing nonlinear systems:
Theoretical methods and concepts of application”**



International Conference on Control of Self-Organizing Nonlinear Systems

September 09 - 13, 2018
Warnemünde, Rostock, Germany

Organizing Committee

Roland Aust (TU Berlin), Conference Secretary
Sabine Klapp (TU Berlin), Conference Chair
Ulrike Niederberger (TU Berlin), Treasurer

Organizers:

Sabine Klapp (SFB 910, TU Berlin), Chair
Andreas Knorr (SFB 910, TU Berlin), Co-Chair

First Announcement

The aim of the conference is to address fundamental developments in theoretical methods of control of complex systems and state-of-the-art applications in various scientific disciplines. In particular, it is intended to focus on nonlinear dynamical systems with time delay, noise effects, synchronization patterns and chimera states, and applications to control of quantum systems and lasers, soft and active matter, cardiac dynamics and neuroscience.

Program committee:

Markus Bär (PTB Berlin)
Alexander Carmele (TU Berlin)
Sabine Klapp (TU Berlin)
Andreas Knorr (TU Berlin)
Kathy Lüdge (TU Berlin)
Volker Mehrmann (TU Berlin)
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Wilhelm Stannat (TU Berlin)
Holger Stark (TU Berlin)
Anna Zakharova (TU Berlin)

For further information see:

<http://www.itp.tu-berlin.de/sfb910/conference2018>

In case of any questions, please contact:
conference.sfb910@itp.tu-berlin.de

Venue

The International Conference on Control of Self-Organizing Nonlinear Systems will take place in the Conference Center *Hohe Düne* (Am Yachthafen 1, 18119 Rostock-Warnemünde, Germany), which is a marvelous seaside resort at the Baltic Sea in the northeast of Germany.



Transportation by coaches will be provided from Berlin leaving on Sunday, September 09.

Invited Speakers

A number of renowned scientists will be invited to address the topics:

Theoretical methods of control:

- noise
- time delay
- synchronization patterns and chimera states
- stabilization

Applications of control:

- quantum systems & quantum communication
- lasers
- soft and active matter
- cardiac dynamics
- neuroscience



Schedule & Registration

Schedule:

The conference will start on Monday, September 10, at 08:30 am and end on Thursday, September 13, at 2 pm. There will be a conference dinner on Tuesday evening and a conference excursion on Wednesday afternoon.

Registration Fees:

	until July 04	after July 04
Regular	300 EUR	400 EUR
Student	150 EUR	200 EUR

The fees cover access to the scientific sessions (oral and poster presentations), the book of abstracts, coffee breaks, a welcome reception, the conference excursion, and the conference dinner.

Deadlines:

Abstract submission: June 11, 2018

Notification of acceptance: June 27, 2018

Early registration deadline: July 04, 2018

Registration deadline: August 12, 2018

The number of attendees is limited.