

Integrated Research Training Group of SFB 910

Lecture Course

Fundamentals and methods of design and control of complex systems



Mondays

10:15 - 11:45

ONLINE

WS 2020/21

- 09.11.20 Anna Zakharova (A1)
Partial synchrony in complex networks
- 16.11.20 Andreas Knorr (B1)
Introduction to open quantum systems:
external fields and dissipation
- 23.11.20 Alexander Carmele (B1)
Basics of quantum feedback
- 30.11.20 Anja Metelmann (B12)
Parametric couplings in engineered
quantum systems
- 07.12.20 Felix von Oppen (A11)
Introduction to quantum error correction
- 14.12.20 André Eckardt
Controlling engineered quantum many-
body systems by strong driving
- 18.01.21 Kathy Lüdge (B9)
Optical computing with laser networks
- 25.01.21 Klaus Obermayer (B8)
Computational models of electric field effects
on neurons and neural populations

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