Workshop on

Control of Self-Organizing Nonlinear Systems

*organized by the **Integrated Research Training Group** of **SFB 910***

October 14/15, 2021

online via **Zoom**

Thursday, October 14

09:00	**Larissa Melischek** *(FU, A11)*: Noise in Josephson junctions on the atomic scale
09:30	**Lindsay Orr** *(FU, B12)*: Entanglement generation in nonreciprocal systems
10:00	**Oliver Kästle** *(TU, B1)*: Open quantum system theory from an information perspective
10:30	***Break***
11:00	**Henry Mittenzwey** *(TU, B1)*: Control of optical excitations in TMDs by static magnetic fields
11:30	**Arghavan Partovifard** *(TU, B4)*: Controlling active turbulence with a spatially varying activity
12:00	***Break***
14:00	**Kuntal Patel** *(TU, B4)*: Inertial microfluidics of complex fluids
14:30	**Alexander Gerdes** *(WIAS, A3)*: Synchronization patterns in globally coupled Stuart-Landau oscillators
15:00	**Maria Mikhailenko** *(TU, A1)*: Solitary states in complex networks

Friday, October 15

09:00	**Robin Kopp** *(TU, B2)*: Emergence of collective motion in two-dimensional colloidal systems with delayed feedback
09:30	**Alejandro López Nieto** *(FU, A4)*: Global dynamics of delay equations with monotone feedback
10:00	**Alexander Vogler** *(TU, A10)*: Cubature on Wiener space for stochastic mean field equations and applications to optimal control problems