KiNSIS Colloquium
Winter term 2020/21

Wednesday, February 3, 2021
2:00 PM (Attention, changed time!)

Network Dynamics and Dynamical Networks
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Networks are everywhere. From the social networks both online and offline, distant and close connections to interactions and wiring in the brain, nearly any problem can be transferred to a network science embedding. The key idea is to define appropriate nodes and links that form the network. In addition, many processes can be modeled by (nonlinear) dynamical systems to investigate questions of stability, switching, fixed points, periodic orbits etc. Combining networks with dynamics provides powerful synergies to describe complex systems that consist of many interacting units. Further extensions are possible as well, if the local node dynamics have an impact on the structure of the underlying network.

In my presentation, I will summarize core aspects of dynamics on and of networks along the lines of selected examples and will demonstrate how the universal and combined power of network science and nonlinear dynamics can be unleashed.

Access to the Zoom-Meeting:
https://uni-kiel.zoom.us/j/89783278309?pwd=WXhnUllFOWFmL2hkOEp5NUt6RXh6Zz09
Meeting-ID: 897 8327 8309
Kennencode: 988298
Schnelleinwahl mobil:+496971049922,,89783278309#,,,,,,0#,,988298# Deutschland
+493056795800,,89783278309#,,,,,,0#,,988298# Deutschland

Download the iCalendar files (.ics) and import the monthly appointment into your calendar system:
https://uni-kiel.zoom.us/meeting/tZ0qftqqTMpGt2DE1NWQOk2D8r-Em3fRWHDc/ics?icsToken=98tyKuGhqTMpGNOdsxmORpx5B4gqb-nwtlxjbcPuDq0LRdiaVHSbvAPF78sFurn

The KiNSIS Colloquium will take place as an online meeting on the first Wednesday of each month at 12 noon.
If you would like to present a topic that might be interesting for other KiNSIS members,
please contact Julia Jedtberg (jfr@tf.uni-kiel.de)

More information: www.kinsis.uni-kiel.de/en/dates-and-events/kinsis-colloquium