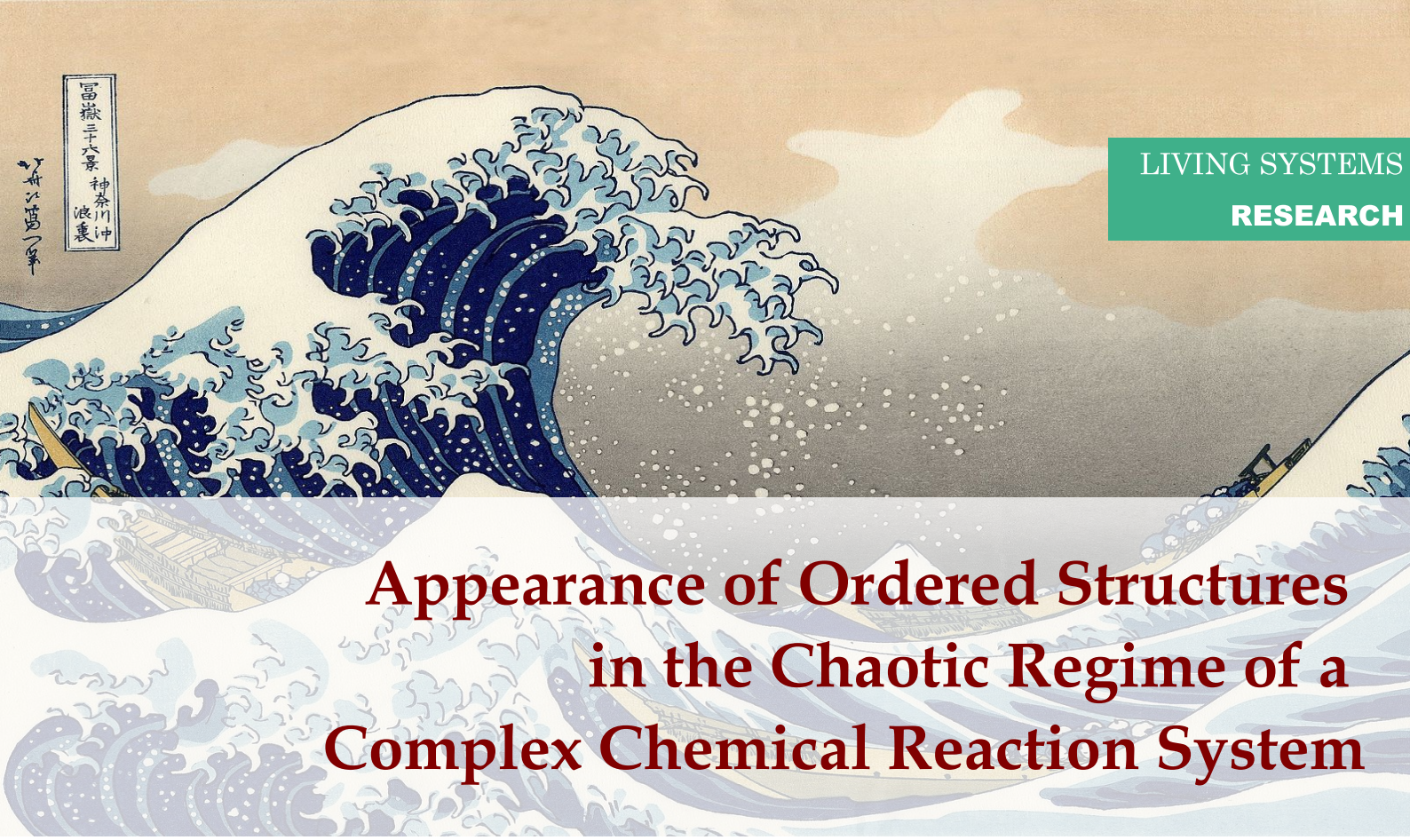

LIVING SYSTEMS
RESEARCH

Appearance of Ordered Structures in the Chaotic Regime of a Complex Chemical Reaction System

Seminar 16 | *online**

with the following topics:

17-17.20 h	Florian Wodlei ***Current research focus of Living Systems Research***
17.20-17.40 h	Florian Wodlei ***First results of the ongoing research on the periodic bulk motion in the chaotic phase of the Belousov Zhabotinsky reaction*** Characterisation of convective flow in the choatic phase of the Belousov Zhabotinsky reaction and its connection to the corresponding local erratic color change.
17.40-17.50 h	Coffee break
17.50-18.30 h	Mihnea R. Hristea ***Characterization of Chaos*** Due to the fact that the power spectra of the chaotic regime does show a chaotic behavior we investigate also alternative approches to characterize this regime.
18.30-18.40 h	Coffee break
18.40-19.20 h	Giuseppe Alberti ***Numerical simulation of the underlying reaction-diffusion-convection dynamics of the Belousov Zhabotinsky reaction*** Overview of the numerical simulation thad models the convective motion in the Belousov Zhabotinsky reaction.

*the seminar takes place on 15th of February online via Zoom, times are in GMT+1, for detailed instructions write to info@ilsr.at