



Berlin Center for Studies of
Complex Chemical Systems

8th International Conference

Engineering of Chemical Complexity

22 - 26 June 2015

TUM Institute for Advanced Study (TUM-IAS)

Garching (Munich), Germany

The aim of this conference is to review current experimental and theoretical progress in understanding, design and control of complex chemical, biochemical and biophysical systems. Special emphasis is put on the state of the art of transposing results of prototypical models to large systems, such as biological cells.

Conference Chair: Katharina Krischer

Honorary Conference Chairman: Gerhard Ertl, Nobel Laureate

Plenary Lectures: Harry L. Swinney (USA), Alexander S. Mikhailov (DE)

List of Symposia:

- Active Particles (K. Showalter & R. Kapral)
- Electrochemistry and Surface Reactions (H. H. Rotermund & K. Krischer)
- Control of Chemical Self-Organization (E. Schöll & O. Steinbock)
- Self-Organization in Biological Cells (M. Falcke & A. Bausch)
- Fluctuations Far from Equilibrium (F. Sagues & L. Schimansky-Geier)
- Waves and Patterns in Active Media (M. Bär & H. Engel)
- Collective Cell Migration and Chemotaxis (C. Beta & S. C. Müller)
- Synthetic Molecular Biology (A. S. Mikhailov & P. Schwille)
- Synchronization Phenomena (A. Pikovsky & I. Kiss)
- Mathematical and Computational Methods (B. Fiedler & Y. Kevrekidis)

Organizing Committee

M. Bär
C. Beta
H. Engel
B. Fiedler
M. Falcke
K. Krischer
J. Kurths
J. Lauterbach
A. S. Mikhailov
S. C. Müller
L. Schimansky-Geier
E. Schöll



Registration and additional information at
www.bcscs.de

