



Universität
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Bridging the Gap Between Molecular and Ionic Liquids: Structure, Dynamics, Thermodynamics

In Honor of the 60th Birthday of
Prof. Dr. Ralf Ludwig

1st online Bunsen-Kolloquium 2021

Rostock

15th January 2021

Organizers: Dietmar Paschek, Björn Corzilius, Anika Wilhelms

Online Bunsen-Kolloquium 2021 in Rostock

“Bridging the Gap between Molecular and Ionic Liquids: Structure, Dynamics, Thermodynamics”

We cordially invite you to the upcoming Bunsen-Kolloquium “Bridging the Gap between Molecular and Ionic Liquids: Structure, Dynamics, Thermodynamics”, which will be hosted by the University of Rostock (Germany) at January 15th 2021. The meeting will be organized with guidance by the Deutsche Bunsengesellschaft für Physikalische Chemie (DBG).

Due to the global 2020/2021 SARS-Cov2-pandemic the meeting will take place as an *online-only* event hosted via Zoom. Participation in the meeting will be free of charge.

The Kolloquium is organized on the occasion of the 60th birthday of Prof. Dr. Ralf Ludwig and is focused on the recent progress in the field of molecular and ionic liquids with particular emphasis on a detailed molecular understanding of their properties by monitoring detailed intermolecular interactions. It will feature talks from six invited speakers organized in two sessions.

Registration/Fees/Dates

Conference-Website: <https://www.bk-rostock-2021.de>
Register and get Zoom-Link: <https://www.bk-rostock-2021.de/register.html>
Contact: dietmar.paschek@uni-rostock.de
Organizers: Dr. Dietmar Paschek, Prof. Dr. Björn Corzilius, Anika Wilhelms
Registration Deadline: January 15th 2021
Conference Fee: Participating in the meeting is free of charge
Start of the Kolloquium: January 15th 2021, 09:00 MET (Middle European Time)

Timetable

Each talk is given a time-slot of one hour: 40 minutes are allotted to the presentation with additional 10 minutes for discussion. In addition, there will be a 10 minutes break between the time-slots. Times given indicate MET (Middle European Time).

Morning Session: (15th Jan. 2021, 09:00 MET)

09:00	09:15	Opening Remarks
09:15	10:15	Prof. Dr. Peter Vöhringer, Universität Bonn, Bonn (GER) From single hydrogen bonds to hydrogen bonded networks. Insights from ultrafast 2DIR-spectroscopy
10:15	11:15	Dr. Daniil Kolokolov, Boreskov Institute of Catalysis, Novosibirsk (RUS) Hydrogen bonds structure and dynamics in protic ionic liquids: A ²H NMR view
11:15	12:15	Prof. Dr. Markus Gerhards, TU Kaiserslautern, Kaiserslautern (GER) Analysis of dispersion interactions vs. hydrogen bonding: From gas phase to condensed phase

Afternoon Session: (15th Jan. 2021, 13:30 MET)

13:30	14:30	Prof. Dr. Barbara Kirchner, Universität Bonn, Bonn (GER) Getting the best out of ionic and molecular liquid simulations
14:30	15:30	Prof. Dr. Roland Winter, TU Dortmund (GER) Liquid-liquid phase separation in protein condensates: Physical chemistry and biological implications
15:30	16:30	Prof. Dr. Mark A. Johnson, Yale University, New Haven CT (USA) Unmasking intra- and inter-distortions of ionic liquid building blocks with cryogenic vibrational spectroscopy of size-selected ions
16:30	16:40	Closing Remarks

We are looking forward to welcoming you online at the Baltic Sea,

Dr. Dietmar Paschek, Prof. Dr. Björn Corzilius, Anika Wilhelms (Organization Team)