

Program Summer School Solvation Science 2019

Tuesday, June 11th

ZEMOS research building at the Ruhr-Universität Bochum

08:30 – 09:00 Registration
09:00 – 09:15 *Welcome*
Christian Merten, Ruhr-Universität Bochum, GER

Solvation on solid surfaces, Chair: Lukas Eberlein

09:15 – 10:15 R. Kramer Campen, Fritz Haber Institute, GER
Watching Electron Transfer at Electrified Solid/Liquid Interfaces in Real Time

10:15 – 10:45 **Coffee Break**

10:45 – 11:45 Andrew Hodgson, Liverpool University, UK
Surface Wetting of Metals

11:45 – 12:45 Angelos Michaelides, University College London, UK
Ice and water at surfaces

12:45 – 14:15 **Lunch**

Sustainable Chemistry: Biomimetics and organic approaches I, Chair: Nitish Pal

14:15 – 15:15 Ulf-Peter Apfel, Ruhr-Universität Bochum; GER
From biological inspiration towards industrial catalysis: problems of and requirements for future power-to-X technologies

15:15 – 15:45 **Coffee Break**

15:45 – 16:45 Marc Robert, Paris Diderot University, FR
Molecular electrochemical catalysis: from basic principles to activation of small molecules

16:45 – 17:45 Burkhard König, Universität Regensburg, GER
Visible Light Photocatalysis: Basic concepts, recent advances and future perspectives

17:45 – 22:00 **Get-Together with Burger BBQ**

Wednesday, June 12th

ZEMOS research building at the Ruhr-Universität Bochum

Sustainable Chemistry: Biomimetics and organic approaches II, Chair: Abhishek Sirohiwal

09:00 – 10:00 Ville Kaila, TU Munich, GER
Deciphering molecular mechanisms of long-range charge transfer in biological systems

Solvation under Extreme Conditions I, Chair: Abhishek Sirohiwal

10:00 – 11:00 Dominik Horinek, Universität Regensburg, GER
How cells survive extreme environment: Small (molecular) solutions for big problems

11:00 – 11:30 **Coffee Break**

11:30 – 12:30 Hans Robert Kalbitzer, Universität Regensburg, GER
Pressure induced conformational transitions of polypeptides in aqueous solution

12:30 – 14:00 **Lunch**

Solvation under Extreme Conditions II, Chair: Alireza Marefat

14:00 – 15:00 Eric Vauthey, University of Geneva, CH
When the solvent brings a little bit of chaos in ultrafast photoinduced charge transfer processes

15:00 – 16:00 Robert McMahon, University Wisconsin – Madison, USA
Organic Chemistry in Interstellar Space and Planetary Atmospheres

16:00 – 16:30 **Coffee Break**

Special lecture

16:30 – 17:30 Ruben Ragg, Wiley-VCH (Editor-in-Chief ChemBioChem)

17:30 – 18:30 **Get-Together with Beer & Pretzel**

Thursday, June 13th

ZEMOS research building at the Ruhr-Universität Bochum

Career Day

08:30 – 09:00 Reception with Coffee and Tea

09:00 – 09:10 Welcome

Chair: Nora Kreienborg

09:15 – 09:40 Jesse Roose, Clariant (Head of Technical Application Aviation)

09:40 – 10:05	Michael Jörger, Bruker Optics GmbH (Business Unit Manager MIR R&D)
10:05 – 10:30	Lea Kremer, Bayer (Trainee Product Supply)
10:30 – 11:00	Coffee Break
11:00 – 11:25	Vera Holstein, Lanxess (Operation Manager Inorganic Pigments)
11:25 – 11:50	Burkhard Maaß, Ingpuls GmbH (CEO and Founder)
11:50 – 12:15	Christoph Jeworrek, Kalkoff & Partner (Patent Attorney)
12:15 – 12:40	Ruben Ragg, Wiley-VCH (Editor-in-Chief ChemBioChem)
12:45 – 15:00	Career discussion with finger food/coffee (3 rounds á 45 min)
<i>Moderation: Sarah Khani and Tino Golub</i>	
15:00 – 17:00	Panel discussion
17:30 – 21:00	Networking Session at Beckmannshof

Friday, June 14th

RESOLV's participating institutes

Advanced Laboratory Modules

For a list of Advanced Laboratory Modules, please refer to:

<https://www.solvation.de/career/graduate-school/summer-school/advanced-modules-2019/>