

Program of the EMSI Meeting, Prague, June 25-30

Sat June 25: arrival

Sun June 26: informal discussions, late arrivals

Mon-Tue June 27-28: Workshop on Ions and Molecules at Aqueous Interfaces

Wed June 29: EMSI business meeting

Thu June 30: departure



Detailed program of the workshop “Ions and Molecules at Aqueous Interfaces”

Monday June 27:

8:50- 9:00 *opening remarks*

chair: *Bruce Garrett*

9:00- 9:40 *Roland von Glasow*: Investigation of the importance of surface reactions on sea salt aerosols for the chemistry of the marine boundary layer – a model study

9:40-10:10 *Barbara Finlayson-Pitts & Theresa McIntire*: Chemistry of organic interfaces in the atmosphere: A new look at an old system

10:10-10:40 *Angel Jimenez & Jennie Thomas*: When is interface chemistry important and when is it not?

10:40-11:00 *coffee break*

chair: *Leon Phillips*

11:00-11:40 *Yinon Rudich*: Reactions of multicomponent aerosols: revisiting the oleic acid + ozone reaction

11:40-11:55 *Tomaso Frigato*: Interfacial behavior of H_3O^+ in aqueous acid solutions

11:55-12:10 *Babak Minofar*: Surface propensity and clustering of aqueous organic anions

12:10-12:40 *Doug Tobias*: Uptake and transport of atmospheric gases at aqueous and organic interfaces

12:40-14:00 *lunch break*

chair: *Donald Dabdub*

14:00-14:40 *Bernd Winter*: Surfaces of aqueous salt solutions and acids studied by photoemission

14:40-15:10 *John Hemminger*: Photoemission studies of the surface composition of deliquesced alkali halides, and reactions of ozone with wet and dry alkali halide surfaces

15:10-15:40 *Martina Roeselova*: Hydroxyl radical and ozone at the air/water interface

15:40-16:00 *coffee break*

chair: *Sotiris Xantheas*

16:00-16:40 *Victoria Buch*: Bare and adsorbate covered ice particles

16:40-17:10 *Yulii Gershenzon*: $\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$ segregation on mixed $\text{NaCl}/\text{MgCl}_2 \cdot 6\text{H}_2\text{O}$ sea salt. Impact on the NO_3 interface chemistry

17:10-17:40 *James Cowin*: Transport within/upon water ice

18:00 *tour of the monastery*

20:00 *conference banquet*

Tuesday June 28:

chair: *Doug Tobias*

9:00- 9:40 *Greg Voth*: Computer simulation of excess protons in aqueous systems.

9:40-10:10 *Bruce Garrett*: What do simulations tell us about uptake at the air/water interface?

10:10-10:40 *Leon Phillips*: Processes in the mobile surface layer

10:40-11:00 *coffee break*

chair: *Martina Roeselova*

11:00-11:40 *Rich Saykally*: Confirmation of enhanced anion concentrations at the liquid water surface by UV-resonant SHG spectroscopy

11:40-12:10 *Sotiris Xantheas*: “Strong” vs. “weak” nearest-neighbor hydrogen bonds in water clathrates: Interplay between relative stability and IR spectral features

12:10-12:25 *Martin Mucha*: Molecular anions at the air/water interface

12:25-12:40 *Lubos Vrbka*: Brine rejection from freezing salt solutions

12:40-14:00 *lunch break*

chair: *John Hemminger*

14:00-14:40 *Steve Bradforth*: Novel probes of ions, radicals, and their reactivity in aqueous environments

14:40-15:10 *Sergey Nizkhorodov & Anthony Gomez*: Photochemistry of aged organic aerosol particles

15:10-15:25 *Yifat Miller*: Vibrationally-induced photochemistry of atmospheric molecules

15:25-15:40 *Eric Brown*: Electronic excited states and photodissociation mechanisms of HNO_x

15:40-16:00 *coffee break*

chair: *Benny Gerber*

16:00-16:40 *Pavel Hobza*: Microhydration of biomolecular clusters

16:40-17:20 *Petr Nachtigall*: Theoretical investigation of metal cations solvation in zeolite pores

17:20-17:40 *Jim Pitts*: Potential implications of interfaces from an “Old-Timer”