

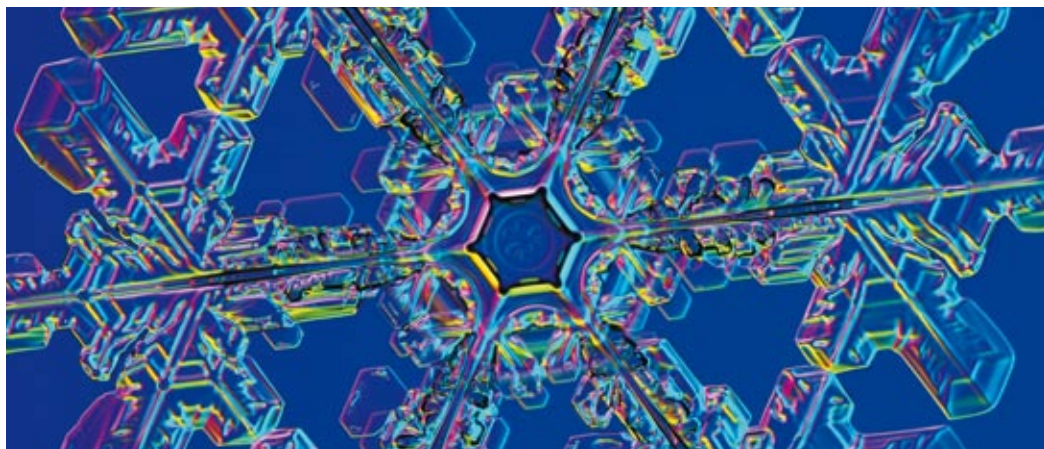
CALL FOR PAPERS

Faraday Division

# Faraday Discussion 141: Water – From Interfaces to the Bulk

27 – 29 August 2008

Heriot-Watt University, Edinburgh, UK



Water is perhaps the most important chemical substance known. Without it, the very existence of life would be questionable. Yet the detailed structure and behaviour of water in the condensed phase and in the interfaces between the condensed phase and its environment remain somewhat controversial. Indeed as ever more sophisticated and novel experimental tools are brought to bear on the study of bulk liquid water, ice and their interfaces, it is becoming apparent that this disparate information could fuel the debate on the phase and interface behaviour of water rather than cooling it.

## Aims

Faraday Discussion 141 seeks to address the interfacial behaviour of water in the most general of senses. We will discuss both experimental observations and theoretical issues as diverse as:

- Water Clusters in the Gas Phase and at Interfaces
- Surfaces and Interfaces of Liquid and Solid Phases of Water
- Contrasts between Water Surfaces and Interfaces and Bulk Phases
- Biological, Metallic (Electrochemical and Otherwise) and Other Key Interfacial Environments of Water

with the aim of moving towards a better understanding of the microscopic structure and behaviour of condensed phases of water at interfaces and progressing into the bulk.

## Who should attend?

Faraday Discussion 141 will draw together experimental and theoretical scientists from diverse disciplines that traditionally do not interact such as the gas phase clusters community, the surface science community and the condensed phase community.

## Scientific Committee

### **Professor Martin McCoustra**

*Heriot-Watt University, Edinburgh, UK (chair)*

### **Professor Victoria Buch**

*The Hebrew University of Jerusalem, Israel*

### **Professor Jean-Pierre Hansen**

*University of Cambridge, UK*

### **Professor John Finney**

*University College London, UK*

### **Professor Colin Bain**

*University of Durham, UK*

### **Dr Georg Held**

*University of Reading, UK*

### **Dr Andrea Russell**

*University of Southampton, UK*

### **Dr Richard Wheatley**

*University of Nottingham, UK*

## Invited speakers

**Professor Alexander V Benderskii**

*Wayne State University, USA*

**Professor Pablo G Debenedetti**

*Princeton University, USA*

**Dr Peter J Feibelman**

*Sandia National Laboratories, USA*

**Professor Bertil Halle**

*Lund University, Sweden*

**Professor Pavel Jungwirth**

*Academy of Sciences of the Czech Republic*

**Dr Bruce D Kay**

*Pacific Northwest National Laboratory, USA*

**Professor Maria Antonietta Ricci**

*Università degli Studi "Roma Tre", Italy*

**Professor Miquel Salmeron**

*University of California, Berkeley, USA*

**Professor Carlos Vega de las Heras**

*Universidad Complutense de Madrid, Spain*

## Call for papers

Contributions of relevance to the broad theme of Faraday Discussion 141 are invited from the wide range of disciplines contributing today to the debate on the interfacial structure of water.

Abstracts for both oral and poster presentations should be sent by email attachment to RSC Conferences ([conferences@rsc.org](mailto:conferences@rsc.org)) with the following subject header: 'FD141 abstract'. The abstracts should be no longer than one A4 page in portrait layout.

Please include your full address and contact details in the email and indicate whether you are submitting an oral or poster presentation.

## How it works

Abstracts that fit most closely with the themes of the meeting will be selected to give oral presentations. Authors of the selected abstracts will then be invited to submit their work as a full paper, which will form the basis of their short presentation at the meeting. The paper itself must contain new, unpublished work and be submitted by **28 March 2008**. The papers selected for presentation and discussion will be refereed and then sent to all participants as preprints.

Preprints will be issued four weeks in advance of the meeting. The Discussion will be conducted on the assumption that the papers have been read in advance and only **five minutes** will be allowed for each presentation. Most of the time will be devoted to discussion, a record of which will be submitted for publication in the Faraday Discussion Volume which will be published by the RSC approximately six months after the meeting.

## Deadlines for Abstract Submissions:

Oral presentation abstracts:  
**14 September 2007**

Poster presentation abstracts:  
**27 June 2008**

## Dates and times

The discussion meeting will be held at Heriot-Watt University. Delegates will arrive on the morning of Wednesday 27 August and the Discussion will start after lunch. There will be a poster session for submitted contributions on Wednesday evening and a conference banquet on the evening of Thursday 28 August. The meeting will end on Friday 29 August at lunchtime.

## Faraday Discussion Volume

The Faraday Discussion Volume documents a long-established series of Faraday Discussion Meetings which provide a unique international forum for the exchange of views and newly acquired results in developing areas of physical chemistry, biophysical chemistry and chemical physics. The papers presented are published in the Faraday Discussion Volume together with a record of the discussion contributions made at the meeting. Faraday Discussions therefore provide an important record of current international knowledge and views in the field concerned.

## Registration

Registration will open in March 2008. To take advantage of the early booking fees register by **27 June 2008**. Accommodation is not included in the registration fee; this should be booked directly with Heriot-Watt University. Please see the website for further details.

## Student Bursaries

Limited financial support is available for student and recent graduate members of the RSC. The bursary application form will be available when registration opens.

## Sponsoring FD141

Sponsorship and exhibition opportunities are available at this meeting, including a table top exhibition, sponsoring a social event or advertising in the book of abstracts. Please contact RSC Conferences for details.

*Image courtesy of SnowCrystals.com*

## Further Information

**The programme and application form will be available in March 2008.**

**All enquiries concerning any aspect of FD141 should be addressed to RSC Conferences.**