

## Registration

Registration will open in early 2012.

Financial support is available for students and recent graduates. The bursary application form will be available when registration opens.

## Venue

The meeting will be held at La Cittadella Assisi, Italy.



## Networking

Faraday Discussions provide excellent opportunities for interaction with other delegates. Networking will take place through an interactive poster session and the conference dinner which will include the traditional Faraday Loving Cup ceremony.

## Faraday Discussion Volume

The Faraday Discussion Volume documents the unique series of discussion meetings. The papers presented at the meeting 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.

The latest ISI citation data give an **impact factor\*** for Faraday Discussions of **3.7** emphasising their importance as a forum for developing exciting new ideas.

\*2009 Journal Citation Reports®, (Thomson Reuters 2010)

## Sponsoring Faraday Discussion 157

Sponsorship and exhibition opportunities available at this meeting include table-top exhibitions, sponsorship of social events and advertisements in the book of abstracts. Please contact RSC Events for details.

## Further information

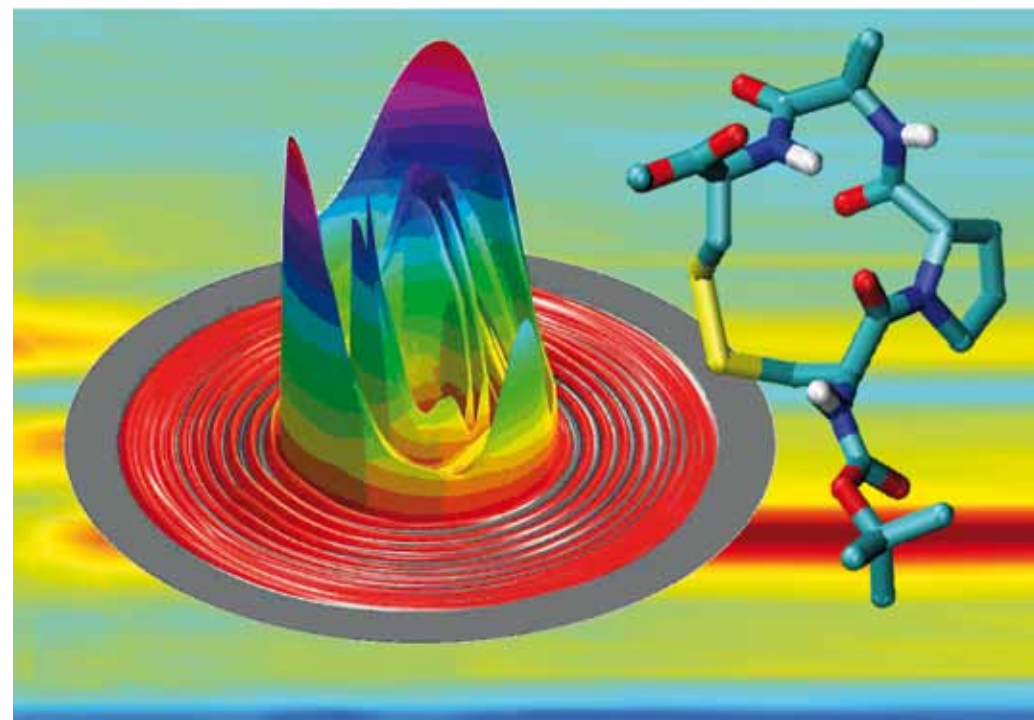
All enquiries concerning any aspect of FD157 should be addressed to RSC Events.

Cover and inside image courtesy of Andrew Orr-Ewing  
Assisi image courtesy of Cesare Cenci

# Faraday Discussion 157 Molecular Reaction Dynamics in Gases, Liquids and Interfaces

25 – 27 June 2012

Assisi, Italy



The study of gas-phase molecular reaction dynamics has long proved to be a central and fruitful field of research, with impact in many areas of science, for both experimental and theoretical physical chemists/chemical physicists.

While further advances in the characterization of gas-phase reactions are actively pursued, the methods and concepts developed so far are also the basis of the molecular approach of investigations of reaction dynamics at interfaces (gas-liquid and gas-solid) and in condensed phases.

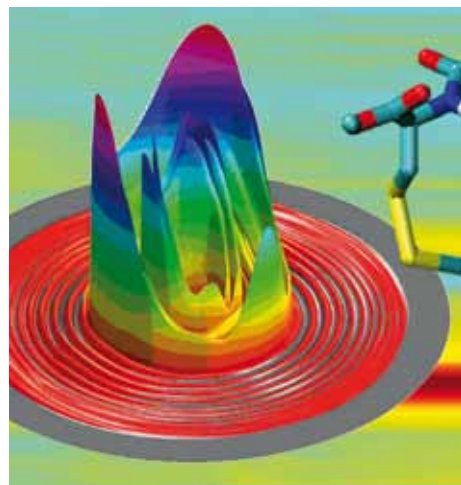
Work in several labs has been focused on developing a theoretical understanding of this ultrafast dynamics. The hope is to discern the molecular mechanisms of events such as solvation and vibrational relaxation - the elementary steps that determine the course of chemical reactions in liquids.

This Discussion is particularly timely because of the exciting developments of the last decade in the various areas and of the prospect that they are generating. Because of the broad topic area which underlies what is perhaps the core of chemistry, namely chemical reactivity, a large audience is anticipated. The Scientific Committee warmly invites you to take part in the Discussion and looks forward to welcoming you to Assisi.

## Aims

This discussion is intended to bring together both experimentalist and theorist practitioners of reaction dynamics in the gas phase, at interfaces and in the condensed phase.

The vision is to define the state-of-the-art as we move into the second decade of the new millennium and to outline the future prospects for this whole exciting area of research, with impact in many fields of science.



## Scientific Committee

### Professor Piergiorgio Casavecchia

*University of Perugia, Italy (Chair)*

### Professor David C. Clary

*University of Oxford, UK*

### Professor Peter Hamm

*University of Zürich, Switzerland*

### Professor Andrew J. Orr-Ewing

*University of Bristol, UK*

### Professor George C. Schatz

*Northwestern University, USA*

### Professor Alec M. Wodtke

*Georg-August University of Göttingen and Max Planck Institute for Biophysical Chemistry, Germany*

## Themes

- Bimolecular reaction dynamics in the gas-phase
- Photodissociation dynamics in the gas and liquid-phase
- Reaction dynamics at interfaces (gas-liquid and gas-solid)
- Ultrafast reaction dynamics in the condensed phase

## Invited Speakers

### Professor Fleming F. Crim (Introductory Lecture)

*University of Wisconsin, USA*

### Professor Richard N. Zare (Closing Lecture)

*Stanford University, USA*

### Professor Rainer Beck

*École Polytechnique Fédérale de Lausanne,  
Switzerland*

### Professor Joel M. Bowman

*Emory University, USA*

### Professor Stephen E. Bradforth

*University of Southern California, USA*

### Professor Martin Gruebele

*University of Illinois at Urbana-Champaign, USA*

### Professor Kopin Liu

*IAMS, Academia Sinica, Taiwan*

### Professor Todd J. Martínez

*Stanford University, USA*

### Professor Daniel M. Neumark

*University of California, Berkeley, USA*

### Professor John C. Tully

*Yale University, USA*

## Key Deadlines

Abstracts for oral presentation – 26 August 2011

Abstracts for poster presentation – 27 April 2012

Early bird registration – 27 April 2012

Standard registration – 25 May 2012

## How it Works

The Scientific Committee will select contributed papers to complement the invited presentations on the basis of the abstracts received. The authors will then be asked 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 **a significant amount of new, unpublished** work and be submitted by **27 January 2012**.

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.

## Call for Papers

Offers of papers within any of the themes of the meeting are now invited. Deadlines are listed on this page.

Abstracts for both oral and poster presentations should be sent by email attachment to RSC Events ([events@rsc.org](mailto:events@rsc.org)) with the following subject header: 'FD157 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 abstract for oral or poster presentation.