



*International Association of Colloid  
and Interface Scientists*

**NEWSLETTER NO. 45**

**March 2009**

**EDITED BY G. KOPER**

## NEWSLETTER 45

## Contents

1	ABOUT THE NEWSLETTER /	
	FROM YOUR NEWSLETTER EDITOR	1
2	STATUS OF THE NEWSLETTER, LIABILITY	3
3	IACIS NEWS	4
	3.1 Presidential Message	4
	3.2 Elections of new IACIS Council members	
	and a new President-elect	7
	3.3 Venue of the 14th IACIS Conference, 2012	7
	3.4 Travel Bursaries	7
4	IACIS-SPONSORED MEETINGS	11
	4.1 International Conferences on Surface and Colloid Science	11
	4.2 Other conferences sponsored or co-sponsored by IACIS	11
5	CONFERENCES	15
6	REGIONAL AND PERSONAL NEWS	23
	6.1 Obituaries	23
7	JOURNALS AND BOOKS	27
8	NEWSLETTER IDEAS AND INFORMATION	30

# INTERNATIONAL ASSOCIATION OF COLLOID AND INTERFACE SCIENTISTS

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## 1 ABOUT THE NEWSLETTER / FROM YOUR NEWS- LETTER EDITOR

Before you lies NL45, the first newsletter edited by me. I have to honestly admit that I spent much more time on the website than on the newsletter; the latter is more a compilation of what you can find there. This should make you curious to find out what then is all available on the IACIS website – [www.iacis.nl](http://www.iacis.nl) – and it might very well be that you find out that there are potentially interesting pages that you cannot access. You need a user name and a password for that. These will be sent to you after you send a request by e-mail to [webmaster@iacis.nl](mailto:webmaster@iacis.nl); please do include your membership number.

But for whom are we doing all this, one might wonder. For the 415 members, according to the secretary's list of January 2009? I sent an e-mail message to all of these listed members. Unfortunately, 30 of those messages bounced for various reasons, "user unknown" being the most abundant. The content of the message was, that if one wished to gain access to the "members only" pages, one needed a user name and a password that would be sent upon request. Out of the 385 members that should have received the message, 52 requests came in and were processed. My fear is that the information in our database is slightly obsolete and therefore I would like to urge you to send us your updated contact information. As a reward, we shall send you a user name

and password with which you will be able to access the full website.

On the website we wish to maintain a list of upcoming conferences, meetings, schools, etc. For that we rely on the information that the webmaster receives. Therefore, if you wish something to be posted in this list, please send us the necessary information and it will be done.

Likewise, as the previous newsletter editor did, we could maintain a list of recently published books. Also for this we would need your assistance: please, bring to our attention all material that could be advertized on our website.

The costs involved in the printing and mailing of this newsletter are huge in comparison to the revenues of the IACIS. The board therefore seriously considers to replace it by an electronic service as is now provided by means of the website. To be honest, this also has my preference. During the upcoming meeting in New York we expect a decision to be made regarding this issue. Therefore, this might very well be the last newsletter!

As with the past newsletters, the maintenance of the website is a single person's effort. Not all changes will therefore be carried out as fast as you might like to see. We will try to do our best but we hope you realize this when addressing us! Please, let this not refrain you from sending relevant information, suggestions, additions, etc.

Waiting for your response, I remain

Ger Koper  
webmaster@iacis.nl

## 8 NEWSLETTER IDEAS AND INFORMATION

All members are invited to send their suggestions on the contents, scope and other aspects of these Newsletters. Contributions to fostering international contacts are specifically solicited but information on meetings is also very welcome!

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## 2 STATUS OF THE NEWSLETTER, LIABILITY

The first two Newsletters (henceforth abbreviated as NL 1 and NL 2), dated September 1978 and July 1979, respectively, were written under the auspices of the IUPAC Commission on Surface and Colloid Science (Commission I.6) before IACIS was formally established. Starting with NL-3 in June 1980 the Newsletters appear under IACIS auspices.

Parts of this NL may be copied provided the source is acknowledged. Although everything is verified to the best of our knowledge, errors may occur; IACIS cannot accept any responsibility for them.

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### 3 IACIS NEWS

#### 3.1 Presidential Message

This IACIS Newsletter marks a great change: While all 44(!) previous NLs were prepared by Hans Lyklema, we now have a new Newsletter Editor, Ger Koper. I discussed this change in the last NL, including referring to Hans' longstanding generous work for IACIS. Now I only wish to welcome Ger again and thank him for accepting this task. We look forward to work with you.

Ger has made an excellent start focusing very much on communication with members via Internet and e-mails. A very important part of this is that he has the e-mail addresses of all members. This will be important both for an efficient communication and also for information on how to access the member-restricted parts of the homepage. Please make sure that Ger has your e-mail address.

Ger has much improved the IACIS-website [www.iacis.nl](http://www.iacis.nl). Please do have a look and also help adding useful information.

The next few months will be very active IACIS months culminating with the 13th IACIS conference in New York City in June. Before that we will have elections for a new President-Elect to succeed Dennis Prieve, and for six new ordinary members of the IACIS Council.

Regarding these elections, you will be contacted by Mieke Kleijn, our Honorary Secretary and Treasurer, who organizes the elections. See also elsewhere in this Newsletter. Please be active in nominating and voting.

"Optical Properties of Surfaces" (Imperial College Press, 2002, and revised edition 2004).

The website [www.chem.ntnu.no/nonequilibrium-thermodynamics](http://www.chem.ntnu.no/nonequilibrium-thermodynamics) of Kjelstrup and Bedeaux gives updated news on the authors' publications on the topic.

and mass; Transport of mass and charge; Applications: Evaporation and condensation; Non-isothermal concentration cell; Adiabatic electrode reactions; The formation cell; Modeling the polymer electrolyte fuel cell; The impedance of an electrode surfacel and other chapters.

*Readership:* Graduate students, researchers, lecturers and professionals in physics, nano science, surface science and colloid chemistry.

*Signe Kjelstrup* is a professor of physical chemistry since 1985 at the Norwegian University of Science and Technology, Trondheim. Since 2005, she holds a part time chair on irreversible thermodynamics and sustainable processes at the Technical University of Delft, The Netherlands. Her works in irreversible thermodynamics concern electrochemical cells, membrane systems and entropy production minimization in process equipments. She is honorary doctor of the University of North East China, and has been a guest professor of Kyoto University. Her book on irreversible thermodynamics coauthored with K.S. Førland and T. Førland (Wiley, 1988 and 1994, Tapir 2001) was translated into Japanese and Chinese.

*Dick Bedeaux* was professor of physical chemistry at the University of Leiden since 1984 and chairman of the Colloid and Interface Science group at that university until his retirement. He holds since 2002 a part time chair at the Norwegian University of Science and Technology, Trondheim. Bedeaux, together with Albano and Mazur, extended the theory of irreversible thermodynamics to surfaces. In the context of equilibrium thermodynamics, he has worked on curved surfaces. Bedeaux is a fellow of the American Physical Society, and a recipient of the Onsager Medal from the Norwegian University of Science and Technology. Together with Jan Vlieger he wrote the book

When you read this, it is only a few months before the 13<sup>th</sup> IACIS Conference to be held at Columbia University, New York City, June 14-19, 2009. The preparation for the meeting progresses well under the direction of Conference Chairman Professor Ponisseril Somasundaran, normally known as “Som”. Updates can be seen at the website <http://www.columbia.edu/cu/iucrc/icscs09/>. We look forward to see you all there! Since this is the first time since 1985 that an IACIS conference is held in the US, and since New York is easily reached from all over the world, we can expect another interesting and well-attended meeting. Indeed Som informs us that the abstract submission exceeded very much the expectations. The organizers are doing an excellent job in promoting the meeting and the interest manifests that surface and colloid science keeps a high attention.

As indicated in the previous Newsletter, there was during the end of 2008 a process to select the site of the IACIS Conference in 2012. The Standing Committee and the Council found two proposals to be of outstanding quality and motivation, one from Kazue Kurihara in Sendai, Japan and one from Hans-Jürgen Butt, Mainz, Germany. Japan has once hosted an IACIS conference, but as long ago as 1988, while Germany never was the host. Consulting with the SC and the Council clearly showed that both sites were strongly accepted and it was decided that both should be given the task as IACIS conference hosts. The question was only the preferred order where Council members had varying opinions. After discussions of the optimal order for the potential organizers and for the IACIS members, and in particular after mutual agreement between the two proponents, it was decided that the 14th IACIS Conference shall be held in Sendai in 2012 while the 15th IACIS Conference will be organized in Germany. The President of the 14th conference, Professor Kazue Kurihara, has recently decided about the dates for the meeting. They are May 13

to 18, 2012. We are very much looking forward to come to Japan in three years time.

As has been decided previously, IACIS has started a bursary scheme to assist needing IACIS members (or their students) to attend scientific meetings. The bursary program is handled by the Immediate Past President, now Brian Vincent, who describes the program elsewhere in this Newsletter. For budget reasons the scheme is still rather limited but it is our hope to expand it in the future.

Regarding economy, IACIS budget is mainly due to membership fees and it is important to constantly work on keeping old members and recruiting new ones. We have recently reminded non-paying members and got a very good reaction. We have realized that ease of payment and low costs of payment are important factors for members. Therefore, future organizers are asked to make possible membership payment together with the registration fee for our tri-annual meeting; payment shall be possible for up to 3 years. Furthermore, membership will be strongly encouraged by a sizeable reduction of the registration fee for members. These principles will start to apply already for this year's conference. We also note the possibility of a joint IACIS-ECIS (European Colloid and Interface Society) arrangement for paying membership fees. Thus IACIS membership fees can also be paid together with the registration fees of the annual ECIS meetings.

With best wishes from your president,

Björn Lindman

Lund, February 2009

Bjorn.Lindman@fkem1.lu.se

## 7 JOURNALS AND BOOKS

### **Non-Equilibrium Thermodynamics of Heterogeneous Systems, Series on Advances in Statistical Mechanics - Volume 16,**

World Scientific, London, 2008.

By: Signe Kjelstrup and Dick Bedeaux

The purpose of this book is to encourage the use of non-equilibrium thermodynamics in descriptions of transport through complex, heterogeneous media. With large coupling effects between transport of heat, mass, charge and chemical reactions at surfaces, it is important to know how one should properly integrate across systems when different phases are in contact. No other book gives a prescription of how to set up flux equations for transports across heterogeneous systems.

The authors apply the thermodynamic description in terms of excess densities, developed by Gibbs for equilibrium, to non-equilibrium systems. The treatment is restricted to transport into and through the surface. Using local equilibrium together with the balance equations for the surface, expressions for the excess entropy production of the surface and of the contact line are derived. This determines the force-flux relations for the surface. Many examples are given to illustrate how the theory can be applied to coupled transport of mass, heat, charge and chemical reactions; in phase transitions, at electrode surfaces and in fuel cells. Molecular simulation and analytical studies are used to add insight.

*Contents:* General theory: The entropy production for a homogeneous phase; The excess entropy production for the surface; Flux equations and Onsager relations; Transport of heat



needed the "Sherlock Holmes" touch! Throughout his career Ron was in demand to consult for numerous industrial companies, including Proctor & Gamble, ICI and BP.

Ron was instrumental in setting up the Colloid and Interface Science Group of the Royal Society of Chemistry and the UK Polymer Colloids Forum which has recently established a medal in his name. He chaired committees of the ILL and the UK Science and Engineering Research Council. He was one of the founding fathers of the European Colloid and Interface Science group. He was also an active member of the International Polymer Colloids Group, which for many years has run the Gordon Conference on Polymer Colloids.

He was a great teacher and his lectures were always highly appreciated by those who attended. He is sadly missed by his family, friends, and former students and colleagues.

Brian Vincent

### **3.2 Elections of new IACIS Council members and a new President-elect**

Every three years, just before each IACIS conference, half of the members of our Council is renewed and the President-elect takes over from the President. This year, just before the IACIS/ACS conference (13th ICSCS meeting) in New York, we have to elect a new President-elect, to succeed Prof.dr. D. Prieve who will be the next President, and six new Ordinary Members of Council.

The first step in the elections is to nominate candidates, and all IACIS members are invited to do so. Details can be found in the Call for Nominations and accompanying letter, which are distributed together with this Newsletter. The Call for Nominations can also be found on our website [www.iacis.nl](http://www.iacis.nl) (members only pages).

The period for nomination ends on April 15, 2009.

For more information contact Mieke Kleijn (secretary@iacis.nl).

### **3.3 Venue of the 14th IACIS Conference, 2012**

As our president already announced, it was decided that the 14th IACIS Conference shall be held in Sendai in 2012 while the 15th IACIS Conference will be organized in Germany. The President of the 14th conference, Professor Kazue Kurihara, has recently decided about the dates for the meeting. They are May 13 to 18, 2012.

### **3.4 Travel Bursaries**

#### *Introduction*

The objectives of IACIS are to promote international cooperation among colloid and interface scientists and to encourage advancement and understanding in the field of colloid and interface

science. One of the ways IACIS has achieved these objectives is to sponsor international meetings in the field, in addition to its own triennial international conferences on surface and colloid science. We hope to make available a number of bursaries each year, with a maximum of € 400 per person per trip, primarily to pay for the travel expenses to the meeting concerned. The sum awarded to any one applicant may well be less than this amount, depending on the travel involved, and, of course, applicants will be expected to find other sources of finance in addition, and to declare any other funding sources they have approached and the outcome of these where known or in due course.

#### *Application Conditions*

Please note the following conditions before applying, which you will be asked to agree to on the application form:

- (1) You must be a current member of IACIS, or apply separately for IACIS membership (see the IACIS website) at the time of submitting your application. If you are a PhD student, it is sufficient for your supervisor to be an IACIS member. (Note that the cost of membership is considerably less than any award you may receive!).
- (2) Only persons who have a genuine need for financial aid should apply, for example, persons from developing countries or young academics or PhD students with limited other means of financial support for travel.
- (3) The meeting to be attended must be an international meeting, in a country other than your own, of at least two days duration, and one which IACIS recognises as being of sufficiently high standard.
- (4) The meeting must be taking place within one year of the date of application. Awards cannot be made retrospectively. Only one award per person per annum will be allowed.

#### **Ron Ottewil (1927 - 2008)**

Professor Ronald Ottewill, OBE, FRS died on 4th June 2008, aged 81 years. He was born on 8th February 1927 in Southall, which is some 10 miles or so from Heathrow Airport. It was at school that he developed a strong interest in science, as well a liking for cricket and middle-distance running. In 1948 he was awarded a B.Sc. in Chemistry by Queen Mary College, London University, where he stayed to carry out research towards a PhD on the adsorption of hydrocarbon vapours on surfaces, supervised by D.C. Jones. In 1952 Ron joined the Department of Colloid Science at Cambridge University. Here he completed a second PhD on antigen-antibody reactions, supervised by Paley Johnson. He moved to the former Physical Chemistry Department of the University of Bristol in 1964. In 1982, he became the fourth Leverhulme Professor of Physical Chemistry, a post he held until his retirement in 1992. He also, towards the end of his career in Bristol, served as Head of the School of Chemistry and also as Dean of Science.

Ron played a leading role in initiating in Bristol the highly successful, one-year, postgraduate M.Sc. Course, by advanced study and research in Surface Chemistry and Colloids, which started in 1964 and continued well after his retirement. Ron supervised 99 PhD students in total, and collaborators came to work with him from all over the World. His research output was prolific and diverse, with more than 300 original publications, in fields ranging from novel, model colloidal systems for studying inter-particle forces, to investigating the origins and structures of coacervates in tea! In the latter part of his career he became one of the leading world experts in applying (neutron and light) scattering techniques to the study of colloidal systems. His forte was "problem solving", and using the appropriate experimental and theoretical tools to achieve this, be it at the cutting edge of fundamental colloid science or some industrial problem that

writing, with his usual careful editing and unstinting encouragement.

He will be missed by his wife of 53 years and his children: a son, Rusty Rowell of Pelham, Mass. and his wife, Sharrie, and their children; a daughter, Lori Jones of Framingham, Mass. and her husband, Scott, and their children; a son David of Wellfleet, Mass. and his wife, Lezli, and their children; and son James Rowell and his wife, Marina of St. Augustine, Fla.

Bob enjoyed woodworking, creatively and carefully planning custom-designed cabinetry and furniture to suit Lisa's particular ideas, and was always there to answer his children's building questions or to come lend a plan, a hammer or lumber, whether for grandchildren's toys, garden arbors, bed frames etc. He especially enjoyed spending time at his Cape Cod house in Wellfleet with his family.

A celebration of his life is planned for early spring. Donations in his memory may be made to the Robert L. Rowell Scholarship Fund, in care of the Department of Chemistry, Lederle Graduate Research Tower A, Room 104, University of Massachusetts, 710 N. Pleasant St., Amherst, MA 01003, or to a charity of one's choice.

(Daily Hampshire Gazette, 1/21/09- edited).

In 2005 the ACS journal *Langmuir* published a special edition in honor of their longest tenured editor, Bob Rowell. The words of dedication by a number of distinguished colloid scientists are available at: <http://pubs.acs.org/doi/pdf/10.1021/la058018g>.

Bob Fitch  
Fitch & Associates  
Taos, New Mexico

(5) You must be an active participant in the meeting, either giving a talk or a poster. If you do not know whether you have been allocated a presentation at the meeting (i.e. a talk or poster), at the time of application, your application may be carried over until you are able to make this confirmation.

(6) Only money to assist with travel will be awarded. Travel must be by the cheapest possible route, e.g. APEX fares on airlines or trains. We are not able to support local costs (such as accommodation or subsistence), pay registration fees or travel insurance.

(7) You must agree to declare any other sources of income you have received, applied for or intend to apply for, and the outcomes of such awards (if known or in due course). Failure to do so would not only disadvantage yourself regarding the award of any future bursary, but also colleagues from your Institute. IACIS only has limited resources, so obviously wishes to allocate these to those most in need.

(8) Any award made must only be used for the purpose stated in the application, and by the applicant. The award is not transferable. Any unused money should be returned to IACIS.

### *Application Procedure*

If you agree to the above conditions, then please fill in the application form that is available on the IACIS website: [www.iacis.nl](http://www.iacis.nl), and submit it by one of the routes indicated on the form (e-mail attachment, fax or air mail).

Decisions, based on applications received in the previous 3-month period, will be made by the IACIS standing committee of Council (chaired by the immediate past-President of IACIS, currently Brian Vincent) on four dates each year: Jan 1, April 1, June 1 and Sep 1, commencing Jan 1 2008. If an award for a fundable application is not made in any one period, because of insufficient

funds being available at that time, then that application will automatically be carried forward for one more period. The applicant will be informed of this. Payment will be made by bank transfer as soon as is practically possible, after the award is granted, to enable travel tickets to be purchase as far in advance as possible to obtain APEX fares, etc.

## 6 REGIONAL AND PERSONAL NEWS

### 6.1 Obituaries

#### **Robert L. Rowell (1932 – 2009)**

Robert. L. Rowell, Emeritus Professor of Physical Chemistry at the University of Massachusetts died at his home at 914 E. Pleasant St. on Jan. 18, 2009.

Professor Rowell was born in Quincy, Massachusetts on July 29, 1932, and was the son of Walter R. Rowell and Nettie Lee (Wilson) Rowell. Robert attended Bridgewater State Teacher's College, where he met his future wife, Elizabeth Ann (Lisa Hellstrom) Rowell. After earning his BSc in math & science in 1954, he went on to Boston College to receive his MS in physical chemistry in 1956. He and Lisa were married July 1, 1956, and moved to Bloomington, Indiana where he earned his PhD in Chemistry in 1960 at Indiana University.

Bob taught physical chemistry from 1960 at the University of Massachusetts until his retirement in 1997. He was the first director and founder of the UMass Research Computing Center and held that title from 1961 to 1964. He was a member of the American Chemical Society and also served on numerous advisory boards. He was acting head of the Department of Chemistry from 1983 to 1986. In addition, he was well known for his work in colloid chemistry, was collaborating recently on work with microbiocides, an agent to help prevent the spread of the HIV virus. Robert was also senior editor of the highly regarded ACS journal, *Langmuir*. He first became an associate editor in 1986 and continued working for *Langmuir* until his death.

Bob was Co-Editor with Ron Ottewill of the distinguished (I say with all modesty) series of books on Colloid Science published by Academic Press. He worked patiently with me over the 3 years of

### 5.35 *World Congress on Emulsions*

**October 12-14, 2010**, Lyon, France

Further information: <http://www.cme-emulsion.com/>

Contact: Thibaut Jovet ([thibaut.jovet@gl-events.com](mailto:thibaut.jovet@gl-events.com))

### 5.36 *14th IACIS International Conference on Surface and Colloid Science*

**May 13-18, 2012**, Japan

Contact: Kazue Kurihara ([kurihara@tagen.tohoku.ac.jp](mailto:kurihara@tagen.tohoku.ac.jp))

### 5.37 *ELKIN 2012*

**May 20-25, 2012**, Japan

Contact: Hiroyuki Oshima ([ohshima@rs.noda.tus.ac.jp](mailto:ohshima@rs.noda.tus.ac.jp))

## 4 IACIS-SPONSORED MEETINGS

### 4.1 International Conferences on Surface and Colloid Science (since 1979 under auspices of, and sponsored by, IACIS)

- History:
- 1st Conference, Budapest, Hungary, 1975
  - 2nd Conference, Puerto Rico, 1976
  - 3rd Conference, Stockholm, Sweden, 1979
  - 4th Conference, Jerusalem, Israel, 1981
  - 5th Conference, Potsdam NY, U.S.A., 1985
  - 6th Conference, Hakone, Japan, 1988
  - 7th Conference, Compiègne, France, 1991
  - 8th Conference, Adelaide, Australia, 1994
  - 9th Conference, Sofia, Bulgaria, 1997
  - 10th Conference, Bristol, United Kingdom, 2000
  - 11th Conference, Iguassu Falls, Argentina/Brazil, 2003
  - 12th Conference, Beijing, China, 2006
- Future:
- 13th Conference, New York NY, U.S.A., 2009, see section 5 for further details
  - 14th Conference, 2012. See item 3.3 and section 5 for further details.

### 4.2 Other conferences sponsored or co-sponsored by IACIS

In addition to the large international conferences, IACIS has supported, and will support, smaller meetings, all of this in the framework of its credo. Here follows a list of sponsored smaller conferences:

- 1) September 1983 Paris (France) Physical Chemistry of Colloids and Interfaces: Biotechnology and Drug Research
- 2) June 1984 Lund (Sweden) 8th Scandinavian Symposium on Surface Chemistry with international participation

- 3) June 1984 Pittsburgh (U.S.A.) 58th Colloid and Surface Science Symposium ACS
- 4) May 1986 Zakopane (Poland) IX European Chemistry at Interfaces Conference
- 5) June - July 1986 Crveni Otok (Yugoslavia) 7th International Summer Conference on the Chemistry of Solid-Liquid Interfaces
- 6) September 1987 Eindhoven (The Netherlands) Polymers in Colloidal Systems: Adsorption, Stability and Flow
- 7) May 1988 San Benedetto (Italy) X European Chemistry at Interfaces Conference
- 8) June 1989 Åbo/Turku (Finland) EUCHEM Workshop on Adsorption of Surfactants and Macromolecules from Solution, and 10th Scandinavian Symposium on Surface Chemistry
- 9) June 1990, Toronto (Canada) International Symposium on Contact Angles and Wetting Phenomena
- 10) November 1990, Moscow (Russia) International Conference on Surface Forces
- 11) June 1991, Bergen (Norway) 11th Scandinavian Symposium on Surface Chemistry, with international participation
- 12) June-July 1992, Lund (Sweden) XII European Chemistry at Interfaces Conference
- 13) August 1992, Moscow (Russia) 10th International Conference on Surface Forces
- 14) September 1992, London (United Kingdom), Colloids in the Aquatic Environment
- 15) May 1993, Louvain-la-Neuve, (Belgium) Bioadhesion II, International Conference on the Fundamental Aspects of Bioadhesion and Flocculation and their Implications in Technological, Ecological and Medical Fields
- 16) September 1993, Bristol (United Kingdom) Polymers at Interfaces

Further information: <http://bubbleanddrop2009.web.auth.gr>  
 Contact: Conference secretariat (bd2009info@auth.gr)

**5.29 44th Biennial Meeting of the German Colloid Society September 28-30, 2009**, Hamburg, Germany  
*Hybrid Colloids: Integrating inorganic, organic and biological materials*  
 Further information:  
<http://www.colloid2009.chemie.uni-hamburg.de>  
 Contact: Stephan Förster (kolloid2009@chemie.uni-hamburg.de)

**5.30 17th Ostwald-Kolloquium of the German Kolloid-Gesellschaft in conjunction with the Rheology Meeting March 3-5, 2010**, Karlsruhe, Germany  
*Rheological Properties of Colloidal Systems*  
 Further information: <http://www.kolloidgesellschaft.uni-due.de/veranstaltung.html>  
 Contact: Heinz Rehage (heinz.rehage@uni-dortmund.de)

**5.31 International Symposium on Electrokinetic Phenomena 2010 (ELKIN 9) June 2010**, Turku, Finland  
 Further information: <http://electrokinetics.info/>  
 Contact: Jarl B. Rosenholm (Jarl.Rosenholm@abo.fi)

**5.32 43<sup>rd</sup> IUPAC World Polymer Congress: Macro 2010 July 11-16, 2010**, Glasgow, United Kingdom  
 Further information: <http://www.macro2010.org>

**5.33 14th International Conference on Surface Forces Summer 2010**, Moscow, Russia  
*Venue and exact dates to be announced later*  
 Contact: Alexandre Emelyanenko (ame@phych.ac.ru)

**5.34 2nd International Soft Matter Conference July 2010**, Granada, Spain  
 Further information: <http://biocol.ugr.es>  
 Contact: Roque Hidalgo-Alvarez (rhidalgo@ugr.es)

**5.26 23rd Conference of the European Colloid and Interface Society, ECIS 2009, and 3rd Workshop of COST Action D43**

**September 6-11, 2009**, Antalya, Turkey

Further information: <http://www.ecis2009.org/>

Contact: Conference secretariat ([info@ecis2009.org](mailto:info@ecis2009.org))

**5.27 International Symposium on Relations between Homogeneous and Heterogeneous Catalysis**

**September 13-18, 2009**, Stockholm, Sweden

*The aim of this international meeting is to bring together practitioners in the three fields of catalysis, heterogeneous, homogeneous and enzyme, that utilize mostly nanosize particles. Recent advances in instrumentation, synthesis and reaction studies permit the nanoscale and molecular characterization of the catalyst systems, often for the same reaction, under similar experimental conditions. It is hoped that this circumstance will permit the development of correlations of these three different fields of catalysis on the molecular level. To further this goal we aim to uncover and focus on common concepts that emerge from nanoscale studies of structures and dynamics of the three types of catalysis. The use of these catalysts in selective organic transformations will also be an important topic of this conference.*

Further information:

[http://www.chemsoc.se/sidor/KK/ISHHC\\_XIV/index.htm](http://www.chemsoc.se/sidor/KK/ISHHC_XIV/index.htm)

Contact: Jan-Erling Bäckvall ([ulrika@chemsoc.se](mailto:ulrika@chemsoc.se))

**5.258 International Workshop Bubble & Drop Interfaces, B&D 2009**

**September 23-25, 2009**, Thessaloniki, Greece

*Bubbles and Drops are widespread in natural phenomena and man-made processes and products whose equilibrium and kinetics features are mainly set by the interfacial properties. To a large extent, these properties depend on the presence of surface active species, like surfactants, polymers and proteins. Developing theoretical and experimental tools for the investigation of these interfaces in the presence of surface active molecules is then a mandatory step for advancing the scientific and technical insight on drop and bubble systems. Featuring a session "Wetting and Spreading Phenomena" organized by Thodoris Karapantsios and Victor Starov.*

- 17) September 1993, Granada (Spain) Electrokinetic Phenomena '93
- 18) January 1994, Kona (Hawaii, U.S.A.) Surface Characterization of Adsorption and Interfacial Reactions
- 19) June 1994, Espoo (Finland) 12th Scandinavian Symposium on Surface Chemistry
- 20) September 1994, Kiev (Ukraine) XIIIth European Chemistry at Interfaces Conference
- 21) July 1995, Maratea (Italy) Nato Advanced Research Workshop on Fine Particle Science and Technology from Micro to Nanoparticles
- 22) March 1996, Crete (Greece) European Research Conference on Wetting and Capillarity
- 23) March 1996, Szeged (Hungary) Nanoparticles in Solids and Solutions (NATO Advanced Research Workshop)
- 24) June 1996, Moscow (Russia) 11th International Conference on Surface Forces
- 25) September 1996, Eger (Hungary) 7th Conference of Colloid Chemistry
- 26) September-October 1996, Rome (Italy) Electrokinetic Phenomena '96
- 27) October 1996, Antwerp (Belgium) XIV European Chemistry at Interfaces Conference
- 28) August 1997, Wageningen (The Netherlands) Interfaces Against Pollution
- 29) January 1998, Kona (Hawaii) Surface Characterization of Adsorption and Interfacial Reactions II
- 30) May 1998, Amalfi (Italy) Organisation in Polymer-Surfactant Systems
- 31) June 1998, Stockholm (Sweden) 12th International Symposium on Surfactants in Solution
- 32) October 1998, Moscow (Russia) International Conference on Colloid Chemistry and Physical-Chemical Mechanics
- 33) March 2000, ELKIN (Germany)

- 34) June 2000, France, 3rd World Congress on Emulsion
- 35) October 2000, Dresden (Germany) International Symposium on Electrokinetic Phenomena
- 36) May 2002, Miskolc (Hungary) 2nd International IAP Conference on Interfaces Against Pollution
- 37) May 2003, Vladimir (Russia) 16th European Chemistry at Interfaces Conference
- 38) May 2004, Juelich (Germany) 3rd Interfaces against Pollution Conference
- 39) February 2005, Sydney (Australia) 2nd Australian Colloid and Interface Symposium ACIS 2005
- 40) July 2005, Loughborough (United Kingdom) 17th European Chemistry at Interfaces Conference
- 41) June 2006, Moscow (Russia) 13th International Conference on Surface Forces
- 42) June 2008, Kyoto (Japan) 5th International Conference on Interfaces Against Pollution IAP2008.
- 43) October 2010, Lyon (France) World Congress on Emulsions.

**5.21 45th IUPAC General Assembly and 42nd IUPAC Congress**

**July 31 - August 6, 2009**, Glasgow, UK

Further information:

<http://www.iupac.org/symposia/conferences/ga09>

Contact: IUPAC secretariat ([secretariat@iupac.org](mailto:secretariat@iupac.org))

**5.22 8th World Congress on Chemical Engineering**

**August 23-28, 2009**, Montréal, Canada

*Surface forces, interfacial phenomena and colloids*

Further information:

[http://www.wcce8.org/prog\\_tech\\_symposia\\_surint.html](http://www.wcce8.org/prog_tech_symposia_surint.html)

Contact: Conference secretariat ([info@wcce8.org](mailto:info@wcce8.org))

**5.23 ICANS23 International Conference on Amorphous and Nanocrystalline Semiconductors**

**August 23-28, 2009**, Utrecht, the Netherlands

*The 23rd International Conference on Amorphous and Nanocrystalline Semiconductors (ICANS 23) continues the tradition of biennial conferences that have served since 1965 (Prague) as the premier forum for scientific and technological exchange among researchers investigating amorphous semiconductors and related materials.*

Further information: <http://www.icans23.org>

Contact: Ruud E.I. Schropp ([info@icans23.org](mailto:info@icans23.org))

**5.24 Faraday Discussion 145; Frontiers in Physical Organic Chemistry**

**September 2-4, 2009**, Cardiff, United Kingdom

Further information: <http://www.rsc.org/FD145>

Secretariat: [conferences@rsc.org](mailto:conferences@rsc.org)

**5.25 Nanoparticles 2009**

**September 2-9, 2009**, Liverpool, UK

*Synthesis, Properties and Applications of Nanoparticles*

Further information:

<http://www.soci.org/SCI/events/details.jsp?eventID=EV1280>

Contact: Conference secretariat ([conferences@soci.org](mailto:conferences@soci.org))



### 5.15 **IPCG Conference on Polymer Colloids**

**July 6-11, 2009**, Il Ciocco, Italy

Further information: <http://www.ipcg.info>

Contact: IPCG Conference Secretariat (IPCGMeeting@tue.nl)

### 5.16 **European Polymer Conference EPF'09**

**July 12-15, 2009**, Graz, Austria

*The EPF'09 aims to bring together a wide range of polymer scientists, researchers, engineers, students and others. All major cutting edge topics of polymer science will be discussed in six parallel sessions including plenary lectures, keynote lectures, regular oral contributions and poster sessions.*

Further information: <http://www.epf09.org/>

Contact: Liane Hartinger (office@epf09.org)

### 5.17 **3rd Iberian Colloid and Interface Meeting**

**July 13-15, 2009**, Granada, Spain

Further information: <http://rici3.ugr.es>

Contact: Conference secretariat (rici3@ugr.es)

### 5.18 **European Student Colloid Conference**

**July 15-18, 2009**, Almería, Spain

*The Conference will be organized by and for PhD students only*

Further information: <http://www.ual.es/congresos/esc2009>

Contact: Conference secretariat (esc2009@ual.es)

### 5.19 **Faraday Discussion 144; Multiscale Modelling of Soft Matter**

**July 20-22, 2009**, Groningen, The Netherlands

Further information: <http://www.rsc.org/FD144>

Secretariat: conferences@rsc.org)

### 5.20 **Seeing at the Nanoscale VII**

**July 28-31, 2009**, Santa Barbara, USA

*Seeing at the Nanoscale VII provides an optimum forum for scientists to have an in-depth discussion on a wide variety of nanotechnology topics. The conference also provides a unique opportunity to interact with leading SPM scientists to solve problems through brainstorming and hands-on experience*

Further information: [www.veeco.com/nanoconference](http://www.veeco.com/nanoconference)

Contact: CNSi & Veeco Instruments (Veecom@veeco.com)

## 5 CONFERENCES

*NOTE We cannot accept any responsibility for omissions or errors, although of course the information is checked to the best of our knowledge.*

### 5.01 **Hybrid Materials 2009**

**March 15-19, 2009**, Tours, France

*Research in hybrid materials has experienced considerable growth in recent years with increasing interest from a wide range of industries. This inaugural meeting - which has attracted in excess of 1400 abstracts - aims to bring together experts from the various sub-disciplines to share current research and create an interdisciplinary forum for discussion.*

Further information: <http://www.hybridmaterialsconference.com/>

Contact: Charlotte Wilkins (Ch.wilkins@elsevier.com)

### 5.02 **5. Zsigmondy Kolloquium**

**March 16-17, 2009**, Universität Bayreuth, Germany

Further information: [http://www.pci-hellweg.uni-bayreuth.de/en/zsigmondy\\_kolloquium](http://www.pci-hellweg.uni-bayreuth.de/en/zsigmondy_kolloquium)

Contact: Conference secretariat (zsigmondy@uni-bayreuth.de)

### 5.03 **273th ACS National Meeting**

**March 22-26, 2009**, Salt Lake City, Utah, USA

Further information: <http://www.acs.org>

Contact: ACS conference secretariat (natmtgs@acs.org)

### 5.04 **Discussion Forum on Roughness Aspects in Wetting and Adhesion**

**March 30, 2009**, Dresden, Germany

*The main idea of our workshop is to discuss roughness aspects from different points of view, and their impact on wetting and adhesion.*

Further information: <http://www.ipfdd.de/Conferences-and-Workshops.184.0.html?&L=0>

Contact: Victoria Dutschke (vici@ipfdd.de)

5.05 ***Focus on Microscopy***

**April 5-8, 2009**, Krakow, Poland

Further information: <http://www.focusonmicroscopy.org/>

Contact: Fred Brakenhof (Fred.Brakenhoff)

5.06 ***2nd International Symposium on Advanced Particles (ISAP2009) / the 19th Iketani Conference***

**April 26-30, 2009**, Yokohama, Japan

Further information:

[http://polymer.appc.keio.ac.jp/about\\_isap.html](http://polymer.appc.keio.ac.jp/about_isap.html)

Contact: Conference secretariat (isap2009@ics-inc.co.jp)

5.07 ***NanoTech conference & expo 2009***

**May 3-7, 2009**, Houston, TX USA

Further information: <http://www.nsti.org/Nanotech2009/>

Contact: Sarah Wenning (swenning@nsti.org)

5.08 ***Gordon Tiddy: A lifetime in Formulation Science***

**May 7, 2009**, Manchester, UK

*This meeting organised by the Formulation Science and Technology Group of the Royal Society of Chemistry is arranged in the honour of Professor Gordon Tiddy – a world expert in surface, colloid and formulation science. The exciting programme includes talks from many world renowned surface and colloid scientists.*

Further information:

<http://www.constableandsmith.com/GordonTiddy/conference2.htm>

Contact: Conference secretariat

(gordontiddy@constableandsmith.com)

5.09 ***4th International Workshop on Vibrational Spectroscopy of Thin Films***

**June 3-5, 2009**, Potsdam, Germany

*The 3 days workshop is aimed to bring together scientist working in the field of vibrational spectroscopy on thin films, and to discuss new results and approaches.*

Further information: <http://vsm4.mpikg.mpg.de/>

Contact: Gerald Brezesinski (Gerald.Brezesinski@mpikg.mpg.de)

5.10 ***13th IACIS International Conference on Surface and Colloid Science and the 83rd ACS Colloid & Surface Science Symposium***

**June 14-19, 2009**, New York, USA

Further information: <http://www.columbia.edu/cu/iucrc/icscs09>

Contact: ACS conference secretariat (n\_todd@acs.org)

5.11 ***Faraday Discussion 143; Soft Nanotechnology***

**June 15-17, 2009**, London, United Kingdom

Further information: <http://www.rsc.org/FD143>

Secretariat: conferences@rsc.org)

5.12 ***3rd International Conference on Porous Media and its Applications in Science, Engineering and Industry***

**June 20-24, 2009**, Tuscany, Italy

Further information: <http://www.engconfintl.org/10ap.html>

Contact: Kambiz Vafai (vafai@engr.ucr.edu)

5.13 ***Biological Surfaces and Interfaces***

**June 27 - July 2, 2009**, Sant Feliu de Guixols, Spain

*The conference will span a wide range of topics including biomimetic surface platforms, biomembrane and supramolecular materials, nanotechnology, controlling cellular responses by designed surfaces with switchable properties, stem cells, cellular and molecular biomechanics, neural networks, optical, magnetic and mechanical detection systems with single molecule sensitivity, bioarrays and DNA, peptides, proteins and enzymes at interfaces*

Further information: [Http://www.esf.org/conferences/09290](http://www.esf.org/conferences/09290)

Contact: Ivanka Angelova (iangelova@esf.org)

5.14 ***7th International Symposium Effects of Surface Heterogeneity in Adsorption and Catalysis on Solids - ISSHAC-7***

**July 5-11, 2009**, Kazimierz Dolny, Poland

Further information: <http://isshac.org/>

Contact: Władysław Rudziński

(Wladyslaw.Rudzinski@umcs.lublin.pl)