

## IACS NewsLetter n° 3, August 2003

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## 1) President Message

**Dear Colleagues,**

This message will concentrate on events related to the ICCs, to our Association and to the Catalysis community.

**International Catalysis Award**, sponsored by the International Association of Catalysis Societies and to be presented to the recipient during the 13ICC.

The purpose of this Award is to recognise and encourage individual contributions by a young scientist in the field of Catalysis, such as the discovery or significant improvement of a catalytic process, or an important contribution to the understanding of catalytic phenomena. The award consists of a certificate and a financial reward (equal to ten times the registration fee).

The recipient must not have passed her/his 45th birthday by May 1, 2003 and will be required to give a lecture on her/his research as part of 13ICC.

Nomination documents, along with no more than two letters of support, should be submitted **before September 15, 2003**, in seven copies to the President of the International Association of Catalysis Societies, Michel Che, at the following address:

Université Pierre et Marie Curie,  
Laboratoire de Réactivité de Surface, casier 178,  
4 place Jussieu, **75252 Paris Cedex 05**, France.

**Submission of Abstracts to the 13ICC.** One of the main messages of this Newsletter is to encourage submission of Abstracts to the 13ICC, **from 15<sup>th</sup> September to 5<sup>th</sup> November, 2003**. We rely on the catalytic role of the IACS Council Members to turn the 13ICC into a success. Elsewhere, you have information on the abstract selection procedure (see § 3).

**Young Scientists Prizes.** In relation to the preceding point, I would like to draw the attention of authors who submit an abstract to the fact that they must make clear that the person competing for the Prize is the main author, fulfils the age requirements (not older than 35 years at the end of the 13ICC) and will present the contribution, as oral or poster. Each Prize consists of a certificate and a reimbursement of the registration fee of the 13ICC.

**Bids for hosting the 14ICC.** The national representatives of countries who want to host the 14ICC are invited to prepare their bids. The deadline for sending the full application is **May 1st, 2004**. The deadline for sending the full application is **May 1st, 2004** and the bids should be sent to the IACS secretary, I. Tkatchenko, at the following address:

LSEO, UMR 5188 CNRS U-Bourgogne  
9 avenue Alain Savary - BP 47870, **21078 Dijon Cedex**, France.

**IACS Council meetings.** The next informal meeting will take place at the occasion of EuropaCat VI in Innsbruck. You have below the agenda and all the details (see § 2). Let me insist on one important point: the presentation at this meeting of our website which is still under construction. Those who want to visit it and present their suggestions to complete/improve it at the Innsbruck meeting are kindly invited to visit the following URL: <http://www.iacs-icc.org/home.html>

During the meeting, Prof. G. Centi, the current President of the European Federation of Catalysis Societies (EFCATS), is invited to present his views on a World Forum on Catalysis (see Newsletter N°2, §2), and on an European Catalysis Society.

**Renewal of IACS Council Members.** Following repeated questions on this topic, I would like to suggest to the national catalysis societies to encourage rotation of their representatives. I also suggest the members be elected rather than appointed.

**Newsletter circulation.** It is important that you, as national representatives, send/circulate these Newsletters to your catalysis community. We have received some complaints that this was not always the case, unfortunately.

To end this message, I would like to thank you in advance for your valuable help and am looking forward to seeing you in Innsbruck at the IACS Council meeting or reading your comments.

Michel Che

## 2) IACS Agenda (Preconference meeting of ICC 13)

Innsbruck, **Monday, September 1, 7:00 – 10:30 p.m.**, Innsbruck Congress Centre, Room Grenoble (3<sup>rd</sup> level).

- Current progress of ICC 13 (M. Breysse)
- Presentation of the IACS web site (I. Tkatchenko)
- International Catalysis Award; ICC Junior Awards (M. Che)
- Bid(s) for ICC 14 (M. Che)
- Current issues: relationships with IUPAC, IACS Constitution, IACS membership and members, World Forum on Catalysis (G. Centi), World-wide structuring of catalysis
- Miscellaneous.

## 3) ICC13

### - Abstract selection

The abstracts leading to oral communications or posters will be selected according to the following procedure :

The abstracts will be dispatched according to the session selected by the authors and dealt with by several management centres (*i.e.*, the main French catalysis laboratories). Each abstract will be evaluated by 3 reviewers:

- 1 from the French Scientific Committee,
- 1 from a pool of scientists, members of French catalysis laboratories, who have volunteered to act as reviewers,
- 1 from the Advisory Scientific Committee (IACS Council members) or from scientists known to be familiar with the topic.

Each reviewer will receive the abstracts by e-mail, with an accompanying letter giving selection criteria and the number of abstracts submitted/possible as orals and posters in each session.

Based on the evaluation of the reviewers, the management centres will propose a selection, which will be then discussed in a general meeting. Its goal will be to establish the final programme, based essentially on the scientific quality of the abstracts but also on the number of abstracts submitted for each topic and taking into account the international nature of the congress.

The large number of reviewers should lead to a reasonable number of abstracts to be evaluated by each reviewer.

This task will be performed quickly enough to allow the final programme to be dispatched in due time. For this reason, it is the intention of the organisers to strictly respect the deadline. Please do not wait until the last moment to submit your abstract. You are kindly invited to submit it early ! ! !

*Abstract submission: September 15 – November 5* (<http://www.13icc.jussieu.fr>).

### - Social programme

An attractive programme will be presented by Colloquium, the local organiser, which should take into account the opportunities offered by Paris at this particular time of the year (July 14 is the National Day).

## 4) Introducing a Catalysis Society: DivCat, the Catalysis Division of the French Chemical Society

The "Division de Catalyse" (DivCat) is one of the Divisions of the "Société Française de Chimie", the French learned society devoted to promote chemistry in its scientific, educational and applied aspects (<http://www.sfc.fr:8000/DivCata/Divcata.htm>).

Its two main roles are on one hand to federate the French community of Catalysis, on the other hand to represent the Catalysis "made in France" in international associations like EFCATS and IACS.

**To federate the community**, DivCat does one's utmost to give an up-to-date and clear idea of Catalysis in France, bringing academic and industrial world closer, and favouring interactions and synergies between the different fields of the discipline (homogeneous catalysis, heterogeneous

catalysis, photocatalysis...) and with the related disciplines (physics, chemical engineering, biochemistry...).

The success of this action goes through:

- the organisation of multidisciplinary seminars to follow the evolution of the knowledge and to publicise it. Moreover, DivCat participates in the organisation of the 13th International Congress on Catalysis in Paris, 11-16th July 2004 (<http://www.13ICC.jussieu.fr/>),
- the editing of books and reviews collecting recent results like the special issue of *Actualité Chimique* (the SFC magazine): "What 's new in Catalysis", and documents about Catalysis for students and teachers,
- the teaching and the promotion of the teaching of Catalysis at every level.

DivCat applies also itself to help young scientists to find their first job (employment exchange on the net), and to attend national or international congresses during their PhD (financial aid). Moreover, each year the innovating work of one of them is rewarded by the DivCat award.

**From the international point of view**, through EFCATS and IACS, DivCat participates to the important international trends.

Furthermore, it helps the French community of Catalysis to participate at the right place in the international structures like European Networks of Excellence (NoE).

At the present time, the French Catalysis Division gathers about 350 members from more than 30 academic and industrial laboratories. A directory for these laboratories can be found on the web site of SFC (<http://www.sfc.fr:8000/Catalyse/RechPrSelection.asp?mode=c>).

*Christine Travers,*

*President of DivCat ([Christine.TRAVERS@ifp.fr](mailto:Christine.TRAVERS@ifp.fr))*

## 5) Catalysis News

### 5.1) Modifications of addresses:

- Dr. Gabriela Díaz: [diaz@fisica.unam.mx](mailto:diaz@fisica.unam.mx)
- Prof. Mireya Goldwasser: [mgoldwas@strix.ciens.ucv.ve](mailto:mgoldwas@strix.ciens.ucv.ve)
- Prof. Valery V. Lunin: [lunin@direction.chem.msu.ru](mailto:lunin@direction.chem.msu.ru), Fax: +7 095 9 320 067
- Prof. A. V. Ramaswamy:  
Department of Chemistry, University of Pune  
Ganeshkhind, Pune 411007, India  
[avram@chem.unipune.ernet.in](mailto:avram@chem.unipune.ernet.in)  
Fax: + 91 20 569 1728
- Prof. F. Ramôa Ribeiro: [ramoa.ribeiro@fct.mces.pt](mailto:ramoa.ribeiro@fct.mces.pt)
- Dr. Horacio Thomas: [cindeca@dalton.quimica.unlp.edu.ar](mailto:cindeca@dalton.quimica.unlp.edu.ar)

**5.2) Forty Years of the Journal of Catalysis.** A special issue (Volume 216, Numbers 1-2, May 15/June 10, 2003) celebrates the 40<sup>th</sup> Anniversary of this important Journal in our field with 47 contributions on various aspects of catalysis. As stated by the Editors, E. Iglesia and R. Prins, "the idea of a Journal of Catalysis was extensively discussed at the 2<sup>nd</sup> International Congress on Catalysis held in Paris in 1960. Over the last 40 years, the Journal of Catalysis has served admirably as birthplace and nurturing conduit for most of the scientific concepts and practical advances that have shaped our field." An interview of R. Prins, Editor can be found at the URL: <http://catalysis.chemweb.com/alchem/articles/1052327470752.html>.

### 5.3) Awards

- **Robbie Burch** (Queen's University, Belfast) has received the 2002 RSC award in heterogeneous catalysis, sponsored by Johnson Matthey. He was distinguished for his "outstanding and sustained contribution to heterogeneous catalysis" (details at <http://www.rsc.org/lap/awards/industry.htm>). *Robbie Burch is one of the plenary lecturers of ICC 13.*

### 5.4) Deaths of eminent colleagues

- **Vladimir Haensel**, professor emeritus of chemical engineering at the University of Massachusetts Amherst, died on December 15, 2002 at the age of 88 following a brief illness. He had a profound

impact on his profession, and was a winner of the US National Medal of Science. He had been elected to both the US National Academy of Engineering and the National Academy of Sciences, and was a Distinguished University Professor at the University of Massachusetts (see <http://www.umass.edu/newsoffice/archive/2002/121802haensel.html>).

- **Robert L. Burwell, Jr.** died in Williamsburg (VA, USA) on May 15, 2003 at the age of 91. At Northwestern University, he held the Ipatieff Professorship and was Chemistry Department Chairman from 1952 to 1957. As quoted on the dedicated web page <http://www.robertburwell.org/index.html> (under construction), "*he was a distinguished chemist whose contribution and visionary leadership are an important part of the history of Northwestern University*". Prof. G.L. Haller will write some formal remembrance of Robert Burwell for *Advances in Catalysis* (with Kathy Taylor) and for *Applied Catalysis*.

- **Paul Grange** came to an untimely end due to a heart attack on July 11, 2003 at the age of 60. As quoted by Prof. B. Delmon: "*In less than seven years Paul Grange had been able to fully develop his broad capacities. Still pioneer, but also leader, fully. But the price to pay was worries and work overload, with that terrible end in July*". The full text from Unité de Catalyse et des Matériaux divisés, Université catholique de Louvain is attached to this document (electronic mail) or can be found at the end of this Newsletter .

*The catalysis community will deeply miss them. However their many solid and lasting contributions will continue to live on and develop in our catalysis field.*

## 6) Relevant Events, second half 2003 and 2004

August 09 – 15, 2003, University of Zurich, Switzerland  
*XVth Fechem Conference on Organometallic Chemistry*  
Additional information: <http://www.fechem.unizh.ch>

August 22 – 24, 2003, Popayan, Colombia  
*Encuentro Colombiano de Catalisis*  
Additional information: [aramirez@unicauca.edu.co](mailto:aramirez@unicauca.edu.co)

August 24 – 28, 2003, São Pedro, Brazil

### **BMOS-10**

10th Brazilian Meeting on Organic Synthesis  
Additional information: [www.bmos.iqm.unicamp.br/](http://www.bmos.iqm.unicamp.br/)

August 24 – 29, 2003, International Conference Centre of Geneva, Genève, Switzerland

### **ICFe 5**

5th International Conference on f-Elements  
Additional information: <http://ereswww.epfl.ch/icfe/>

September 02 – 05, 2003, Ustron , Poland  
*International Symposium on Combustion Processes*  
Additional information: <http://www.ise.polsl.gliwice.pl>

September 03 – 04, 2003, Angers, France

### **3e Congrès PPG-Sipsy**

*New frontiers in asymmetric synthesis*  
Additional information: <http://www.ppg-sipsy.com>

September 06 – 10, 2003, Collegi Universitari, Camerino, Italy  
*4th International School of Organometallic Chemistry*  
Additional information: <http://www.unicam.it/discichi/isoc2003/index.html>

September 09 – 11, 2003, University of York, UK

### **Dalton Discussion 6**

*Organometallic Chemistry and Catalysis*  
Additional information: <http://www.rsc.org/lap/confs/dd6.htm>

September 14 – 21, 2003, Torino, Italy

### **CNRS Summer School**

*Highlights in nano-scale catalyst design & engineering*  
Additional information: <http://www.cpe.fr/nanocat-school2003>

September 21 – 25, 2003, Granada, Spain  
ECCE 4

*Fourth European Congress of Chemical Engineering*

Additional information: <http://www.anque.es/ecce4/>

September 25 – 26, 2003, Pittsburgh, PA, USA

*11th International activated carbon conference*

Additional information: <http://www.pacslabs.com>

September 29 – October 01, 2003, Boston, MA, USA

*11th International Colloid and Surface Conference*

Additional information: <http://www.collsurfconference.com.br>

September 29 – October 03, 2003, Manama, Bahrain

**PETROTECH 2003**

Additional information: [www.petrotech.com.bh/](http://www.petrotech.com.bh/)

October 06 – 08, 2003, Bratislava, Slovakia

*41st International Petroleum Conference*

Additional information: [41ipc@slovnaft.sk](mailto:41ipc@slovnaft.sk)

October 12 – 16, 2003, Seoul, Korea

**ICCDU VII**

*Seventh International Conference on Carbon Dioxide Utilization*

Additional information: [separk@kriect.re.kr](mailto:separk@kriect.re.kr)

October 13 – 15, 2003, Dalian, China

**APCAT 2003**

*3rd Asia-Pacific Catalysis Conference*

Additional information: <http://www.skic.dicp.ac.cn>

October 15 – 17, 2003, Dresden, Germany

**DGMK, 11th Topical Conference**

*Innovation in the Manufacture and Use of Hydrogen*

Additional information: [dgmk@online.de](mailto:dgmk@online.de)

October 22 – 24, 2003, Universite Libre de Bruxelles, Belgium

**CAPOC 6**

*6th International Congress on Catalysis and Automotive Pollution Control*

Additional information: <http://www.ulb.ac.be/sciences/cpmct/capoc6/>

October 22 – 24, 2003, Universidad Tecnológica Nacional - Facultad Regional Córdoba, Argentina

*XIII Congreso Argentino de Catálisis y 2º Congreso Mercosur de Catálisis*

Additional information: <http://www.catalisis.frc.utn.edu.ar>

October 26 – 29, 2003, Montréal, Canada

**USPC-4**

*4th International Conference on Unsteady-State Processes in Catalysis*

Additional information: <http://uspc-4.rncan.gc.ca>

November 02 – 05, 2003, Cairns Convention Centre, Australia

**ICCS-12**

*12th International Conference on Coal Science*

Additional information: <http://www.aie.org.au/iccs>

November 03 – 05, 2003, Philadelphia, PA, USA

**CHIRASOURCE2003 North America**

*"The Developments of Speed-to-Market- Biopharmaceutical Focus"*

Additional information: <http://www.catalystgrp.com>

November 03 – 06, 2003, Prague 8, Czech Republic

*XXXVth Symposium on Catalysis*

Additional information: <http://www.jh-inst.cas.cz/~catsymp/>

November 06 – 07, 2003, Philadelphia, Pennsylvania, USA

**COMBICAT2003 North America**

*"Commercial and Developmental HTS Applications in Catalysis and Materials"*

Additional information: <http://www.catalystgrp.com>

November 10, 2003, Milan, Italy

*Industrial Oxidations*

Additional information: <http://www.dcci.unipi.it/~bea/scidci/welcome.html>

December 01 – 05, 2003, Berlin

**Chemreactor 16**

*XVI International Conference on Chemical Reactors*  
Additional information: <http://www-sbras.nsc.ru/ws/cr-16/index.en.html>  
December 14 – 16, 2003, Dhahran,  
*Catalysts in Petroleum Refining and Petrochemicals*  
Additional information: [maitani@kfupm.edu.sa](mailto:maitani@kfupm.edu.sa)  
December 27 – 29, 2003, Indore, India  
**ICCE –2003**  
*International Congress of Chemistry and Environment*  
Additional information: <http://www.chemenviron.com>  
February 02, 2004, Bruges, Belgium  
*High Throughput Analysis*  
Additional information: [htc@ordibo.be](mailto:htc@ordibo.be)  
March 17 – 19, 2004, Weimar, Germany  
*XXXVII Jahrestreffen Deutscher Katalytiker*  
Additional information: n. a.  
March 21 – 25, 2004, Hilton Head Island, Southern Carolina, USA  
**ORCS-20**  
*20th Organic Reactions Catalysis Conference*  
Additional information: [sowajohn@shu.edu](mailto:sowajohn@shu.edu)  
April 14 – 15, 2004, Cardiff University, UK  
*5th Anglo/Dutch Conference on Organometallic Chemistry and Catalysis*  
Additional information: <http://www.cardiff.ac.uk/chemy/adocc>  
April 25 – 30, 2004, Cape Town, South Africa  
**IZC 14**  
*14th International Zeolite Conference*  
Additional information: <http://www.14izc.org.za>  
May 16 – 19, 2004, Montreal, Quebec, Canada  
*Catalysis in Green Chemistry*  
Additional information: <http://www.polymtl.ca/18csc2004/>  
June 06 – 08, 2004, Oulu, Finland  
*11th Nordic Symposium on Catalysis*  
Additional information: <http://cc.oulu.fi/~polamwww/nordic.symp2004.pdf>  
June 06 – 09, 2004, Chicago, Illinois, USA  
**ISCRE 18**  
*18th International Symposium on Chemical Reaction Engineering*  
Additional information: [www.iscre.org/iscre18](http://www.iscre.org/iscre18)  
June 06 – 09, 2004, Dalian, China  
**NGCS-7**  
*7th Natural Gas Conversion Symposium*  
Additional information: <http://www.ngcs7.org/>  
June 20 – 24, 2004 Wiesbaden, Germany  
**NANO 2004**  
*7th International Conference on Nanostructured Materials*  
Additional information: <http://www.nano2004.org/>  
July 05 – 09, 2004, Munich, Germany  
**ISHC-14**  
*14th International Symposium on Homogeneous Catalysis*  
Additional information: <http://www.ishc-munich.de>  
July 06 – 09, 2004, Lyon, France  
*Symposium on "Calorimetry and Thermal Effects in Catalysis"*  
Additional information: <http://www.catalyse.cnrs.fr/CTEC/>  
July 07 – 09, 2004, Lahnstein, Germany  
**ICCMR-6**  
*6th International Conference on Catalysis in Membrane Reactors*  
Additional information: <http://www.dechema.de>  
July 07 – 09, 2004, Poitiers, France

**ISOTOPCAT**

*Isotopes in Catalytic Studies*

Call for papers and additional information: <http://labo.univ-poitiers.fr/umr6503/isotopcat>

July 11 – 16, 2004, Paris, France

**ICC-13**

*13th International Congress on Catalysis*

Additional information: <http://www.13icc.jussieu.fr>

July 18 – 23, 2004, Vancouver, Canada

**ICOMC 21**

*21st Interantional Conference on Organometallic Chemistry*

Additional information: n.a.

August 29 – September 01, 2004, University of Bordeaux, France

*9th FECS International Conference on Chemistry and the Environment*

Additional information: <http://www.lptc.u-bordeaux.fr>

September 05 – 08, 2004, Belfast, Ireland

*3rd International H S Taylor Conference*

Additional information: [A.O.Taylor@Salford.ac.uk](mailto:A.O.Taylor@Salford.ac.uk)

September 05 – 09, 2004, Prague, Czech Republic

*ICSS&T 2004 Congress*

Additional information: [www.csch.cz/icss/icss2004.htm](http://www.csch.cz/icss/icss2004.htm)

September 05– 11, 2004, Merida (Yucatan), Mexico

**XIX SICAT**

*XIX Symposium Ibero-Americano de Catalise*

Additional information: [jmdoming@www.imp.mx](mailto:jmdoming@www.imp.mx)

September 08 – 12, 2004, Dipartimento di Scienze Chimiche, Camerino, Italy

*III EUCHEM Conference on “Nitrogen Ligands in Organometallic Chemistry and Homogeneous Catalysis”*

Additional information: <http://web.unicam.it/discichi/nligands2004/index.htm>

October 03 – 06, 2004, Bruchsal, Germany

*Green Solvents for Synthesis*

Additional information: <http://www.dechema.de>



## 7) Annex: Obituary Professor Paul Grange



### Professor Paul GRANGE 1943 – 2003

Professor Grange collapsed suddenly and died in a few minutes during his short vacations, on the 11<sup>th</sup> of July. Paul Grange was born in Lyon during the war. He graduated from the University of Lyon, where he obtained his PhD in 1970, with a work on the reactivity of solids at the Institut de Recherches sur la Catalyse of CNRS in Villeurbanne. He complied with his military obligations as volunteer service overseas worker at the National University of La Plata (Argentina). When he returned in 1972, he came to Université catholique de Louvain (UCL), where he had a key role in the creation of a laboratory, together with Professor B. Delmon, who had arrived there two years before.

In the course of years, the scientific activity of Professor Grange progressively shifted away from his initial interest in the kinetics of the transformation of solids to catalyst preparation and characterisation. Hydrodesulphurisation and hydrotreating catalysis marked this shift, and constantly remained among his main interests. This was followed later by hydrogenation, basic (and some acid) catalysis, (oxidative) dehydrogenation and many projects concerning pollution abatement. Various groupings and administrative rearrangements, together with the rapid growth of the laboratory, permitted a strong scientific development and allowed him to exert his imagination, impressive dynamism and remarkable human quality. He took a sort of a sabbatical leave at INTEVEP in Caracas (1983-84). Paul Grange's results in the synthesis of high transition temperature superconductors and outstanding success with highly dispersed nitrides and oxynitrides made the solid state chemistry background very useful. He was the first in the world to take advantage of the basicity of oxynitrides for catalysis. This further developed in completely new materials with remarkable catalytic properties. Examples are compounds of very flexible compositions associating up to five elements, described for simplicity as AIPON, ZrPON, AlGaPON or VAION. Some of them have outstanding activity as basic or bifunctional catalysts where basicity predominates on acidity. Some are extremely active and selective in ammoxidation. All the facets of this activity allowed him to make many friends in the world (with perhaps some preference for the hispano-latino-american side!) and to develop many co-operative actions (Bucharest, Tunis, Caen, Seville, Argentina, among others). Paul Grange was the author of 418 publications and editor or co-editor of **11** books or special issues of journals. As chairman or co-chairman, he has organised **15** congresses or symposia .

In 1996, the merits of Paul Grange were recognised in an absolutely exceptional way. This was the incredible promotion directly to the highest position at UCL: *Professeur Ordinaire* (equivalent of a Chair in some universities).

As head of the laboratory already for some time, and *Professeur Ordinaire*, Paul Grange showed an incredible dynamism and relentless activity in scientific matters and the applications of science. He simultaneously engaged in the impressive development of other actions, initiating co-operative programs in Belgium and creating one of the branches of CERTECH, a university subsidiary for applied research. In UCL, he became member of various committees, was selected as member of the Research Advisory Council of UCL, and was elected Chairman of the Department of Applied Chemistry and Bio-Industries a few days before his death.

In less than seven years Paul Grange had been able to fully develop his broad capacities. Still pioneer, but also leader, fully. But the price to pay was worries and work overload, with that terrible end in July.

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Université catholique de Louvain