

**EUROPEAN FEDERATION OF CHEMICAL ENGINEERING**  
***Working Party on Crystallization***

Secretariat:

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**MINUTES**

of the 36<sup>th</sup> Annual Meeting of the Working Party on Crystallization (WPC) held on 16 September 2002 at the Hilton Sorrento Palace, Sorrento, Italy

**Present delegates:**

B. Biscans	France
Z. Bubník	Czech Republic
P. Barrett	Ireland
P. Carvin	France
A. Chianese	Italy
P. J. Daudey	The Netherlands
J. Gomez Morales	Spain
M.J. Hounslow	United Kingdom
P. J. Jansens	The Netherlands
P. G. Koutsoukos	Greece
B. Lakatos	Hungary
M. Mazzotti	Switzerland
F. Paroli	Italy
Å. Rasmuson	Sweden
P. Synowiec	Poland
R. Spruijtenburg	Switzerland
J. Ulrich	Germany
P. Wirges	Germany

**Present permanent guests:**

M. Giuliatti	Brazil
R. Guardani	Brazil
N. Kubota	Japan

**Guest(topic 5):**

R. David	France
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**Apologised and absent delegates:**

B. Glennon	Ireland
J. Hostomský	Czech Republic
E. Korin	Israel
I. V. Melikhov	Russia
S. K. Myasnikov	Russia
R. Rodriguez-Clemente	Spain

**Apologised and absent permanent guests:**

J. P. Klein	France
J. W. Mullin	United Kingdom
J. Nývlt	Czech Republic
G. M. van Rosmalen	The Netherlands
K. Toyokura	Japan
W. Woehlke	Germany

J. Ulrich, the WPC Chairman, opened the meeting and welcomed all present.

1. **The Minutes of the last meeting of the Working Party**, held on 18 September 2001 at the Technical University Delft, The Netherlands, were approved.

**2. Announcements of the Chairman.** The chairman expressed his wish for active members from all countries. Specifically, a much more active participation in the Scientific Committee as has been the case for ISIC 15 is urgently requested for the next International Symposium on Industrial Crystallization, ISIC 16. In preparing the present symposium, ISIC 15, a too heavy work load has been borne by too few members of the Scientific Committee. Members with limited availability for participating in the Working Party on Crystallization (WPC) are requested to initiate the nomination of a new active member with their country's organisation.

The following new members were welcomed in the WPC:

- Mike Hounslow, University of Sheffield, takes the place of John Garside who resigned at the last WPC. The 2<sup>nd</sup>, industrial UK member, to take the place of Roger Davey, has not yet been nominated.
- Marco Mazzotti, ETH Zürich, takes the place of Friedrich Hoyer (Sulzer), as the 2<sup>nd</sup> Swiss member and as a representative from University.
- Paul Barrett, Lasentec, is the new 2<sup>nd</sup> member from Ireland as an industrial representative. At the present meeting he acted as a deputy for Brian Glennon.

The following guests were welcomed:

- Jaime Gomez Morales, Institute of Materials Science, Barcelona, as a deputy for R. Rodriguez-Clemente.
- René David, Ecole des Mines d'Albi (France) as a guest for topic 5 below.

**3. 16<sup>th</sup> International Symposium on Industrial Crystallization in 2005:** As the World Congress on Chemical Engineering (WCCE) was planned originally to take place mid September 2005 in Glasgow, it had been agreed at the last WPC-meeting to organise ISIC 16 as a "satellite" conference either just before, or just after the WCCE at a place convenient to reach from Glasgow. However, in the meantime the date for the WCCE has been changed to July 2005, such that ISIC 16 will now take place as a fully independent conference at the usual time mid September: the dates are **Sunday September 11 (registration) till Wednesday September 14.**

J. Ulrich proposed to organise ISIC 16 in Germany in cooperation with Prof. M. Kind (TH Karlsruhe), Prof. A. König (University of Erlangen) and R. Spruijtenburg (Roche Vitamins, Switzerland). This proposal was accepted unanimously by the WPC-members. The precise location has not yet been defined. The German Chemical Engineering Organisation VDI/GVC, which can build on a long experience in organising conferences, will submit several proposals in due time.

**4. WPC activities in nucleation:** The WPC book on "The Measurement of Crystal Growth and Nucleation Rates", edited by: J. Garside, A. Mersmann, J. Nývlt, is with the printers (Publisher: Institution of Chemical Engineers, UK). A leaflet announcing imminent publication was available at ISIC 15 in Sorrento.

**5. European Projects in Crystallization.** René David informed about the 6<sup>th</sup> Framework Programme which will be launched in November 2002. Two instruments are available for implementing the priority topics: the Integrated Projects (IP) and the Networks of Excellence (NoE). The IP's are instruments to support directly objective-driven research, where the primary deliverable is new knowledge. The NoE's are instruments designed primarily to address the fragmentation of European Research on a particular topic, where the main deliverable will be a restructuring and reshaping of the way research is carried out on that topic. Expressions of Interest (Eol) have been submitted to the European commission (EC) last June: 1100 of them are concerned with nanotechnologies (for Eol's: <http://www.cordis.lu/fp6/eoi-instruments/>). Coordinated by R. David and B. Biscans, several French research groups working on the generation, treatment, size enlargement, size reduction and characterization of solids have initiated an European Integrated Project INPACT (Integration of NanoParticulate Processes, Characterization and Technologies) with European partners and have submitted an Eol. Other Eol's concerning "solids and particles" have been submitted to the EC as well. Financial support for such projects will be around 10'000 EURO per full-time researcher per year.

**6. A. Chianese** reported on the Thematic Network "Crystallization Process: New Technologies and Optimization (CRYSOPT)", coordinated by himself. Over its three-year existence, CRYSOPT devel-

oped techniques, validation methods, operation policies and analysis for a whole range of crystal technologies. Several applications of research projects were promoted by the Network. Two of these - CRYSEN and SINC-PRO - were granted by the EC and are now in progress. The aim of both projects is the monitoring and optimization of industrial crystallizers for energy saving and environmental impact minimization. CRYSEN is devoted to the development of on-line sensors. It is coordinated by MESSO, and will end on June 2003 (<http://crysen.ing.uniroma1.it>). SINC-PRO deals with the multi-variable predictive on-line control of industrial crystallizers, its coordinator is DSM and the duration time is March 2002 – February 2005. The consortium consists of 11 partners from Europe (2 academic, 5 end users), 7 partners from Japan (7 research institutes) and 4 partners from Canada (2 academic, 2 end users).

**7. WWW-homepage of the WPC.** The following proposals were made for topics to be integrated into the WPC-Homepage:

- Links to conference and meeting programmes
- Links to university institutes and companies
- Links to European projects
- Announce activities: workshops, short courses, books, new, journals

**8. Future activities of the Working Party.** The following activities have been defined:

- One yearly meeting. Active participation of all members is requested.
- Organisation of ISIC 16, 2005.
- Organise, promote, announce and exchange information on courses on crystallization (tool: direct contacts between members, WPC-Homepage).
- Foster and manage the knowledge in our field of expertise. Thoughts have to be developed how to implement this.
- Gather information about activities in the field of crystallization from all member countries (Universities and industry); ca. ½ page per country. Deadline: end of 2002.

**9. The next meeting of the Working Party on Crystallization** will be held in Germany on **Tuesday, April 1<sup>st</sup> 2003**, in order to assess the proposed facilities for ISIC 16 on site. The location of the meeting has still to be defined.

*[Minutes prepared by R. Spruijtenburg, reviewed by J. Ulrich, B. Biscans (topic 5) and A. Chianese (topic 6)].*