



MINUTES
of the
Meeting of the Working Party on Mixing

*Held on the occasion of the 12th European Conference on Mixing,
Bologna, Italy, June 27 2006*

LIST OF PARTICIPANTS

Present

Joëlle Aubin (France)
Giancarlo Baldi (Italy)
Mostafa Barigou (UK)
Alberto Brucato (Italy)
Pavel Ditl (Czech Republic)
Ivan Fort (Czech Republic)
Reinhard Geisler (Germany)
Suzanne Kresta (Canada)
Franco Magelli (Italy)
Midey Chang-Mateu (USA)
Paul Mavros (Greece)
Alvin W. Nienow (UK)
Gül Ozcan (UK)
Anders Rasmuson (Sweden)
Felix Streiff (Switzerland)
Serafim Vlaev (Bulgaria)
Michael Yianneskis (UK)

Excused

Jerzy Baldyga (Poland)
Joël Bertrand (France)
Matthias Kraume (Germany)
Reg Mann (UK)
Martine Poux (France)
Philippe Tanguy (Canada)
Uldis Viesturs (Latvia)
Catherine Xuereb (France)

Program

NOTE: The meeting was chaired by Pavel Ditl (Honorary Chairman) in replacement of Joël Bertrand (chairman) who had sent his apologies for his absence.

Item 1 • [Adoption of the minutes of the WPM meeting held in Poznan \(Poland\) on September 25th, 2005](#)

A minor amendment was requested by F. Magelli concerning Item 6 (page 3). It should be added in the first sentence that the draft of statutes of the EFCE-WPM were prepared by both F. Magelli and R. Geisler.

Following this the minutes were adopted.

Item 2 • [Guidelines for sections \(from EFCE\)](#)

The Working Party on Mixing welcomed and endorsed the Guidelines for Sections submitted. However, it was discussed during the meeting that for a more effective implementation of the guidelines a clarification of the inter-relationship between the WPs, Sessions and Committees would be required. Further, it was urged that such a clarification and a relevant organisational chart, which would indicate the links and relationships between the different organisational units, be provided.

Item 3 • [Awards and procedure for the announcement](#) *F. Magelli*

Young Worker's Award

F. Magelli recalled the statutory requirements for the Young Worker's Award:

- (i) Candidates should not be over 35 years of age,
- (ii) Candidates must have finished their PhD not more than 7 years before. Note that this new rule replaces the old rule with a time limit of 5 years,
- (iii) Candidates should have done their main research work in Europe,
- (iv) Candidates should still be active in the field of mixing.

The proposed nominee for this award was Dr. Giuseppina (Guisi) Montante. This nomination was approved by the WPM.

Lifetime Recognition Award

There are no particular rules for this award. It is required that the candidates have given contributed largely to the scientific field of mixing, as well as having been involved in the mixing community.

This year, the Award's Committed decided to share the award between two nominees. The proposed nominees were Prof. John Bourne and Dr. Ivan Fort. These nominations were approved by the WPM.

The awards ceremony took place on June 28th 2006 during the Gala dinner of the 12th European Conference on Mixing in Bologna, Italy.

Item 4 • [Reports on the activities of the national working parties on Mixing](#)
all participants

The following report on the activities of the German Working Party on Mixing (Mischvorgänge) of the VDI-GVC was given by R. Geisler.

2006

- Annual meeting of the Working Group “Mischvorgänge” in D-Frankfurt, March 06 – 08, 2006. This meeting was arranged in combination with the working group “Heat and Mass Transfer”. 3 plenary presentations and 18 oral presentations of mixing technology were given. There was a total number of participants of 95 for both groups.

2007

- Annual meeting of the Working Group “Mischvorgänge” in D-Würzburg, scheduled for March 2007.
- The German Working Group “Mischvorgänge” is in preparation to publish a special edition of the journal Chemie-Ingenieur-Technik with the focus on Mixing Technology. The publication is scheduled for the first half of 2007.
- Symposium on Mixing Fundamentals, dedicated to engineers from university, research and industry (planned for D-Baden-Baden, first half of 2007).

No other participants gave reports on their national working parties on Mixing.

Item 5 • [Main scientific results of the International Workshop on Mixing, Pozan, September 2005](#)
J. Baldyga

Summary of the 10th Jubilee Polish Seminar on Mixing and International Workshop

<http://www.fct.put.poznan.pl/mixing2005/>

The 10th Jubilee Polish Seminar on Mixing and International Workshop was held in Poznan, Poland, 26th -29th September 2005.

Chairman of the Scientific Committee was Prof. Jerzy Ba_dyga,

Chairman if the Organizing Prof. Lubomira Broniarz-Press.

The official language of Workshop was English.

Number of participants: 79.

Number of lectures: 30, Number of posters: 39 .

Conference proceedings were published in two journals: Inzynieria Chemiczna i Procesowa (Chemical and Process Engineering) and Inzynieria i Aparatura Chemiczna (Chemical Engineering and Apparatus).

The meeting of the Working Party on Mixing EFCE was carried out during Workshop.

During the Workshop recent developments in technology and engineering of fluid mixing and contacting in single-phase and multiphase systems were presented and discussed, including theoretical, numerical, experimental and industrial aspects of mixing. New areas of mixing applications were proposed and discussed.

Item 6 • [Main scientific results of Fluid Mixing VIII, London, April 2006](#)
M. Yianneskis

The Fluid Mixing VIII conference was held in London in the premises of King's College London on 9-12 April 2006, chaired by Prof. M. Yianneskis with incalculable help from Drs. Balabani, Lee, Papadakis and Sajjadi. 80 participants attended the event from 14 countries across 5 continents with one-third of participants coming from industry. 35 oral and 7 poster papers were presented and 35 of the papers were published in a Special Issue of Chemical Engineering Science edited by Prof. Yianneskis and made available at the start of the conference.

Conference session topics varied from laminar, single-phase and idealised mixing configurations to more complex, turbulent, multi-phase and of direct industrial relevance topics and scales with reactor scales ranging from 0.1 m to very large industrial scale reactors. New developments in fundamental topics were also presented to encourage their incorporation in stirred vessel/static mixer research: e.g. scalar dissipation, helical structures.

The conference participants rated the event at 4.7 out of a maximum of 5.

Item 7 • [Next events in Mixing](#)
I. Fort

List of Conferences on Mixing and Sessions on Mixing of the Conferences of Chemical Engineering 2006/2007

1. Arbeitssitzung der VDI.GVC – Fachausschusse „Mischvorgänge“, March 7 – 8, 2006, Frankfurt am Main (Germany)
19 oral papers and 5 posters (in German)
Scientific Secretary: Prof. Dr.-Ing. M. Kraume, Department of Chemical Engineering, TU Berlin (Germany)
2. IChemE FMPSG Research Students' Competition, January 26, 2006, Loughborough University, Loughborough (UK)
4 oral papers
Scientific Secretary: Prof. Dr. Ch. D. Rielly, Department of Chemical Engineering, Loughborough University (UK)
3. Fluid Mixing VIII International Conference, April 9 – 12, 2006, King's College, London (UK)
34 oral papers and 7 posters
Scientific Secretary: Prof. Dr. M. Yianneskis, Division of Engineering, King's College, London (UK)
4. ACHEMA Congress and Fair, May 15 – 19, 2006, Frankfurt am Main (Germany)
Session on Mixing: 5 oral papers
Scientific Secretary: Prof. Dr.-Ing. G. Kreysa, DECHEMA, Frankfurt am Main (Germany)
5. Conference „8. Koethener Rührer-Kolloquium“, June 14, 2006, Koethen (Germany)

8 oral papers (in German)

Scientific Secretary: Prof. Dr.-Ing. R. Sperling, Department of Process Engineering, TH Anhalt, Koethen (Germany)

6. 12th European Conference on Mixing, June 27 – 30, 2006, Bologna (Italy)
31 oral papers and 69 posters
Scientific Secretary: Prof. Dr. F. Magelli, Department of Chemical Engineering, Bologna University (Italy)
7. Course on Turbulent Multiphase Reacting Flows, July 3 – 7, 2006, Udine Polytechnique (Italy)
Chapter: Mixing
Main Lecturer: Prof. Dr. R. Fox, Iowa State University (Iowa, USA)
8. 17th International Congress of Chemical and Process Engineering – CHISA 2006, August 27 – 31, 2006, Prague (Czech Republic)
Session on Mixing: 11 oral papers and 14 posters
Scientific Secretaries: Prof. Dr. P. Ditl, Prof. Dr. I. Fort, Department of Process Engineering, Czech Technical University, Prague (Czech Republic)
9. Czech Conference on Mixing and Pumps (in Czech), September 25 – 27, 2006, Brno (Czech Republic)
12 oral papers and 8 posters on mixing (in Czech)
Scientific Secretary: Dr.-Ing. P. Seichter, Techmix, Ltd., Brno (Czech Republic)
10. 5th French Conference on Gas-liquid and Gas-solid-liquid Reactors, June 12-15, 2007, Carry Le Rouet (France).
Session on Mixing: Oral papers and posters (in French)
Scientific Secretaries: H. Delmas, Laboratoire de Génie Chimique, Toulouse (France)
Gilles Hébrard, LIPE-INSA, Toulouse (France)
11. AIChE 2006 Annual Meeting, November 12-17, 2006, San Francisco (CA,USA).
Session: North American Mixing Forum (11 Subsessions) 51 oral papers.
Scientific Secretaries: Dr. B. K. Johnson, Merck and Comp., Inc. (USA) and Dr. K. P. Barton, Consultant, Lake Forest, 60045 USA
12. NAMF Biennial Conference on Mixing, Mixing XXI, June 17 - 22, 2007, The Yarrow Resort and Conference Center, Park City, Utah (USA).
Conference Chairs: Dr. Hanh Vo and Dr. Kathleen Barton
<http://www.mixing.net>
13. 6th International Symposium on Mixing in Industrial Processes (ISMIP6), August 17-21, 2008, Niagra (Canada).
14. 13th European Conference on Mixing, 2009, London (UK), dates to be advised.

Item 8 • Next meeting of the WP on Mixing

Two venues were suggested by J. Bertrand for the next meeting of the WP on Mixing in 2007:

- (i) 6th European Congress of Chemical Engineering (ECCE6), September 16-21, 2007, Copenhagen (Denmark),
- (ii) During a short workshop, yet to be chosen.

The WPM approved suggestion (i). The exact date of the next meeting during ECCE6 is to be advised.

Item 9 • Miscellaneous
all participants

P. Dittl (Honorary Chairman) thanked all of the Italian colleagues for organising the 12th European Conference on Mixing in Bologna, Italy.