

Cancun, Mexico

June 6, 2007, 6 pm – 7.30 pm

Participants:

Jésus Alvarez, UAM, Mexico

Jean-Pierre Corriou, ENSIC Nancy, France

Prodromoso Daoutidis, Univ. of Minnesota, USA

Denis Dochain, UCL, Belgium

Sebastian Engell, Univ. Dortmund, Germany

Bjarne Foss, NTNU, Norway

Jürgen Hahn, Texas A&M University, USA

Manabu Kano, Kyoto University, Japan

Jorge A. Mandler, Air Products & Chemicals, USA

Wolfgang Marquardt, RWTH Aachen, Germany

Marie-Noelle Pons, ENSIC Nancy, France

Cesar de Prada, Univ. Valladolid, Spain

S. Joe Qin, Univ. of Texas, USA

Claudio Scali, University of Pisa, Italy

Ilse Smets, Katholieke Universiteit Leuven, Belgium

Bala Srinivasan, Ecole Polytechnique Montréal, Canada

Alain van de Wouwer, Faculté Polytechnique Mons, Belgium

C. C. Yu, National Taiwan University, Taiwan

1. Report on Dycops/CAB meeting

Dycops: In total, there were 184 regular and 8 invited (keynotes, plenaries) submissions. Three reviews were requested by 6 IPC Co-Chairs per paper. 499 reviews have been obtained which corresponds to 2.6 per paper. The planned rejection rate has been 25 %. The actual rejection rate has been 16 %. 90 papers have been presented as orals. 65 papers have been presented as posters. 27 papers were rejected. 3 of the contributed papers have been promoted to keynote. There was only one no-show paper (poster) due to visa problems.

CAB: There were 98 submissions in total with a reject rate of 16 %. 261 reviews have been handled corresponding to 2.6 per paper. 60 papers have been presented as oral and 22 as poster papers. There were 3 no-show papers (2 orals and 1 poster).

40 % of the attendees have been registering for both meetings, 40 % for Dycops only and 20 % for CAB only. The conferences have been prepared by a joint team which held 18 teleconferences. Minutes have been distributed to all stakeholders including the TC Chairman.

The Dycops as well as the CAB community considered it to be a great success to have both meetings back to back. This mode should be carried on in the future.

2. IFAC World Congress 2008

The TC 6.1 track will be organized jointly by Juergen Hahn (USA), Wolfgang Marquardt (Germany), Martin Mönnigmann (Germany), C. C. Yu (Taiwan).

There will be at least 4 invited session possible for TC 6.1:

- optimizing control (S. Engell)
- semi-conductor manufacturing (S. J. Qin)
- systems biology (J. Hahn & T. Ogunnaike)
- industrial applications of process control (C. C. Yu)

It should be tried to get a panel of industrialists on top.

The following topics have been identified:

- batch process control (B. Srinivasan)
- chance-constrained model predictive control (P. Li)
- advanced dynamic programming (J. Lee)
- mechanistic modeling (W. Marquardt)

Further topics should be solicited by all members.

W. Marquardt will attend IPC Meeting in Toulouse to discuss further options.

3. Adchem 2009

Adchem 2009 will be held in Turkey on the campus of Koc University. The IPC Co-Chairs are S. Engell (D) and J. Mandler (USA). The NOC Chair is Y. Arkun. The program should include new vistas of process control. The major objective is to bring in new and in particular young people into the conference. Non-conventional topics and ideas should be presented. Control theory papers with a relation to the process industries should be solicited. The program should emphasize more a tutorial character of the talks. Tutorials and keynotes should be given a wider floor. The IPC should be enlarged by Chinese representatives to solicit more papers from Asia and in particular from China and Taiwan. There should not be a single theme for the conference. Rather, focused invited sessions should be organized.

An industrial process control conference has been very successfully organized back to back with Adchem 2006 in Brasil. The turkish organizers should consider this option. Ridvan Berber would be a person who could organize such a meeting.

Dycops and Adchem show very similar topics. The IPC of future meetings should try to refocus the profile of the conferences. Adchem should focus more on methods and theory while Dycops should cover all application domains in the process industries. There are still unexplored domains!

4. Dycops/CAB 2010

It has been decided jointly between TC 6.1 and TC 8.4 to have the Dycops and CAB conferences also back to back in 2010. There is a bid from Belgium to have the meeting in Leuven in summer 2010. The NOC wil be formed by Ilse Smets, Denis Dochain, Alain van de Wouwer, Philippe Bogaerts and colleagues. M. Kothare and Julio Banga have been suggested as IPC Chairs for the meetings.

5. Future meetings

There has been a short discussion on future meetings in 2012 and 2013. These meetings are supposed to be held in the Asia-Pacific geographical region after Europe (2009 and 2010) and the Americas (2006 and 2007). There has been strong interest from India, Australia, Singapore and China. India has been favored as a conference site for Adchem, while Singapore is favored for the joint Dycops/CAB meeting. India is not a member of IFAC yet. This problem has to be resolved. B. Srinivasan will explore opportunities with his Indian colleagues.

6. TC Chair 2008+

For the first time, the TB of IFAC requests to have a formal voting procedure for nominating the next TC Chair who will take over after the World Congress in July 2008. There have been

suggestions for five candidates prior the the TC meeting. The TC Chairman is requested to check whether all candidates would be willing to serve as TC Chairman in case they would be nominated and approved by the TB. Afterwards, the TC Chairman will initiate a voting process by e-mail to be completed by mid-August.

7. Any other business

The next TC 6.1 meeting will be held during the World Congress in Seoul in July 2008.