

IFAC World Congress, Seoul,

July 10, 2008, 5 pm – 6.20 pm

Participants:

Hong Yue, UK

Richard Braatz, US

Miroslav Fikar, CZ

Bala Srinivasan, CA (represents Michel Perrier)

Kannan Moudgalya, India

Francis Doyle III, USA

En Sup Yoon, Korea

Sebastian Engell, D

Frank Allgoewer, D

Wolfgang Marquardt, D, out-going TC Chairman

Wayne Bequette, USA, guest

Kun Soo Chang, Korea, guest

Juergen Hahn, USA, guest

Sigurd Skogestad, N, in-coming CC 6 Chairman, guest

Denis Dochain, B, out-going CC 6. Chairman, guest

Rudi Gunnawan, Singapore, guest

Vinay Kariwala, Singapore, guest

Martha Gullivan, USA, guest

Jesús Alvarez, Mexico, guest

Sirish Shah, CA, guest

1. Welcome, minutes, agenda

The minutes of the last meeting during Dycops in Cancun in July 2007 have been accepted. The agenda is slightly revised to accommodate the schedule of participants.

2. Future meetings

The Adchem and Dycops meetings will be held in the Asian-Pacific region in 2012 and 2013.

Singapore and India are interested in hosting one of the meetings. Singapore will also bid for PSE 2009. If accepted, Adchem and PSE could be held back to back in 2009 in Singapore. In this case Dycops and CAB will be held in India in 2013. The May/June time period should be avoided. Bombay has been suggested as a possible location for the event.

The TC Chair has to negotiate with the TC Chair of TC 8.4 whether India or Singapore would be supported by him. Since India is not yet a member of IFAC, Kannan Moudgalya will take action to file a membership application to IFAC as soon as possible.

3. Review of TC 6.1 contribution to WC program

The contribution of TC 6.1 has been organized by the Congress Technical Associate Editors (CTAEs) Juergen Hahn (USA), Martin Moennigmann (D) and C. C. Yu (Taiwan). Martin Moennigmann has acted as the Chairman. Wolfgang Marquardt provided guidance and support on a request basis.

A total of 121 contributions were accepted from about 160 submitted papers. 30 invited oral contributions were presented in 5 invited sessions, 72 oral contributions were presented in 12 regular sessions, 19 poster contributions were presented in one poster session. The acceptance rate was slightly higher than 75%. All papers were reviewed by at least two reviewers. The decision was taken by the CTE and the CTAEs.

The following 5 invited sessions were held by TC 6.1:

? Control and monitoring of semiconductor manufacturing,

Ho, Weng Khuen and Qin, S. Joe

? Control mechanisms in systems biology,

Ogunnaike, Babatunde A. and Hahn, Juergen

? Industrial application of process control,

Han, Chonghun and Yu, Cheng-Ching

? Applications of nonlinear optimization and predictive control,

Findeisen, Rolf and Engell, Sebastian

? New theoretical results and numerical methods in optimization based control, Findeisen, Rolf and Engell, Sebastian

The last two invited sessions formed a mini-symposium.

In addition, the following 2 tutorial pre-conference workshops were held by TC 6.1:

- Chance constrained process optimization and control under uncertainty, Pu Li
- Robustness in systems biology: methods and applications,

Bullinger, Eric; Hong Yue; Frank Allgöwer; Rolf Findeisen; Pablo A. Ingelsias; Elling Jacobson, Camilla Trané, Rick Middleton, Oliver Mason, Jongrae Kim, and Declan Bates

Lessons learnt:

? The TC program could be improved for the next WC by planning 1-2 keynotes in the sessions to get a higher visibility of process control, assuming that they are again prominently exposed in the program.

? We should again suggest 4-5 invited sessions, a few pre-conference tutorial workshops and attract at least the same number of contributed papers.

? Unfortunately, the room hosting most of the TC6.1 has been too small. If statistics information on attendance in room 328 is available, it should be used for the planning of the next congress.

? In case the Italian colleagues plan again highlight sessions, TC 6.1 representatives should become involved early to get a slot for TC 6.1. Chemical process industries should be approached early on to get involved in WC 2011. Sigurd Skogestad, Frank Doyle and Denis Dochain will raise these issues at the next TB meeting in London.

4. Upcoming meetings

Adchem 2009: Sebastian Engell reports. More attention will be given to poster presentations by means to be decided. A young author's award will be given for the first time to papers with all authors 35 years and younger. There will be no printed preprints, but CD only. The registration fee is very attractive, since it includes lodging, meals and banquet, welcoming reception, and boat tour. The format will closely follow that of the last Adchem. 3 plenaries and 6 keynotes will be included in the program. Half of the keynotes will be invited and half will be selected from the contributed papers. The authors can suggest that their paper could be considered for a

keynote. The reviewers should make a recommendation. There are yet no plans for an industrial post-conference meeting. 2 page papers should be accommodated for industrial participants.

Dycops/CAB 2010: Denis Dochain reports. CAB – DYCOPS 2010 will be held in Leuven, July 5-9, 2010. The meeting will be five or four days with one or two days of overlap. The participants preferred a 4 day meeting with 2 days of overlap. DYCOPS sessions will be first, followed by CAB sessions. Colleagues from Louvain, Leuven, Bruxelles and Mons are organizing both events. The NOC of CAB will be chaired by P. Bogaerts and Jan v. Impe. The IPC will be Julio Banga. The NOC of DYCOPS will be chaired by A. Vande Wouwer and Ilse Smets. The IPC will be M. Kothare. Industrial Co-Chairs are still to be identified.

5. Handover of TC Chairmanship

The term of the current TC chair ends with this WC. He hands over to his successor, Francis Doyle III. The TC will be renewed. The final members have to be reported to IFAC secretariat by December 1. It is recommended to rotate off about half of the current members and replace them by younger colleagues to have continuity on the one and new ideas on the other hand. The members leaving the TC could be appointed to become corresponding members (a non-official but useful status). A geographical balance has to be maintained among the TC members. Two Vice-Chairs will be selected, one from industry and one from the Asia-Pacific region.

6. AOB

None.