

# IFAC TC 6.1 Meeting Minutes

**IFAC World Congress, Cape Town, South Africa  
August 25, 2014, 12:00-1:30 pm**

## Participants:

Jay H. Lee (Korea), TC 6.1 Chair  
Dominique Bonvin (Switzerland), TC 6.1 Co-Chair  
Jesus Alvarez (Mexico)  
Yaman Arkun (Turkey)  
Ayorinde Bamimore (Nigeria)  
Oladipupo Bello (Pretoria)  
Louis Bergh (Chile)  
Kevin Brooks (South Africa)  
Hector Budman (Canada)  
Denis Dochain (Belgium)  
Frank Doyle (USA)  
Sebastian Engell (Germany)  
Miroslav Fiker (Slovakia)  
Rolf Findeisen (Germany)  
Kristen Forsman (Sweden)  
Furong Gao (Hong Kong)  
Christos Georgakis (USA)  
Martin Guay (Canada)  
Jurgen Hahn (RPI)  
Biao Huang (Canada)  
Jakob Huusom (Denmark)  
Nitin Kaistha (India)  
Fei Liu (China)  
Thomas Meurer (Germany)  
Martin Mönningmann (Germany)  
C.J. Muller (Pretoria)  
Leyla Ozkan (Netherlands)  
Michel Perrier (Canada)  
Cesar de Prada (Italy)  
Joe Qin (China)  
Claudio Scali (Italy)

Sigurd Skogestad (Norway)  
Ilse Smets, TC 8.4 Chair  
Femi Taiwo (Nigeria)  
Andrey Torgashov (Russia)  
Youqing Wang (China)  
Hong Yue (UK)

### **Welcome, minutes, agenda**

The meeting started by introducing the chair and vice chair, Dominique Bonvin. The minutes of the last meeting during the IFAC DYCOPS Symposium in Mumbai, December 20, 2013 was reviewed and accepted.

### **Review of IFAC World Congress 2014 program**

TC Chair, who served as the AE for the papers submitted to the TC, summarized the outcome of the submissions. Out of 90 submissions, 75 were accepted, out of which 70 papers were actually presented (5 papers withdrawn), giving the acceptance rate of 82%. The TC Chair acknowledged the contributions by the seven technical associate editors, Kano, Kothare, Scali, Chmielewski, Grover, Guay, Soroush, who helped with the review process. Originally, 111 papers had been assigned to the TC and all of them were reviewed (each receiving more than 2 reviews, most of them 3 reviews). Recommendations for decision were then compiled and similar papers (recommended for acceptance) were grouped into sessions. The TC's recommendations were sent to the conference editorial board. The final acceptance/rejection decisions and session organization were handled by the conference editorial board. In the process, number of submissions decreased to 90, probably due to reassignment of some of the papers to different TCs. Unfortunately, these decisions were not communicated to the TC before or after they were made.

### **Upcoming and Future Meetings**

#### ADCHEM Symposium in 2015 (Whistler, Canada):

There was a brief report from the NOC Chair Biao Huang and the IPC Chair Rolf Findeisen for the upcoming ADCHEM meeting to be held during June 7-10, 2015. The venue will be at the Whistler Convention Center in Whistler, Canada. The conference hotels will be available in three categories, with the top category at the Westin (daily rate of >\$180), the middle category (\$120-\$150), and the budget category (\$90-\$130). The conference registration (\$680 for early

regular, \$350 for early student) will cover three lunches and three dinners. There will be social program every evening. The IPC chairs are Rolf Findeisen (UMagdeberg, Germany), Martin Guay (Queens U, Canada), and Don Bartusiak (ExxonMobile). Area chairs and IPC members have also been recruited and the paper submission is open and will be due in the middle of October. Three pre-conference tutorials have already been arranged and more submissions are were encouraged (proposals can be submitted through the webpage.) The TC Chair noted that the symposium will follow right after the PSE symposium in Copenhagen, which is held the week before. The attendees were encouraged to distribute flyers and advertise to prospective participants. For details, see the presentation file attached.

#### DYCOPS+CAB 2016 (Trondheim, Norway)

There was a brief report from the NOC Chair, Sigurd Skogestad. The symposium will, for the first time, combine DYCOPS and CAB into a single three-day meeting (instead of being held as two separate symposia with one day overlap as in the past two meetings). The meeting's name will be DYCOPS-CAB, but for the purpose of IFAC archiving, it will simply be referred to as DYCOPS as IFAC strongly discouraged from creating a new name for the series. The conference venue within the university has been arranged as well as two hotels. The NOC chair will be Sigurd Skogestad and he will be assisted by industrial co-chair Pal Kittilsen of Statoil and co-chair Lars Imsland. The IPC chair is Hector Budman and he will work with co-chair Ilse Smets and industrial co-chair Krister Forsman. Bjarne Foss will serve as Editor. Traditional topic list of DYCOPS will be expanded to include bioreactor technology, metabolic engineering/system biology, and environmental/energy (mixed cultures). Some of the special topics being considered include offshore and subsea process systems, energy (particularly for oil and gas), and PSE applications to nanotechnology problems. They are in the process of selecting and inviting IPC members. Early regular registration fee will be 500 EUR and student registration fee will be 300EUR. For details, see the presentation file attached.

#### ADCHEM 2018 (Asia)

ADCHEM in 2018 is scheduled to go back to Asia, according to the new rotation put in place (and agreed at the last meeting). Furong Gao presented a proposal to host the meeting on behalf of the Chinese Process Control Committee. The strong points he argued for included the very large process control community (their annual conference called CPCC draws 5-700 people) and many research opportunities with industries and universities. Potential venues are Shenzhen, Hangzhou, and Beijing. (See the attached presentation file for details.) The TC Chair mentioned that, while China appears to be a sensible choice, host for the meeting is still open for bids and welcomed more proposals.

### FIPSE 2016 (Rhodes, Greece)

Christos Georgakis briefly discussed the conference. They had the 2<sup>nd</sup> meeting this year and has begun the planning process for the 3<sup>rd</sup> meeting, which will be held in Rhodes, Greece during June 20-22, 2016. The format of the meeting is unique in that there are only two main presentations each day (followed by several 5-minute presentations of unsolved challenges by the conference participants) with lots of time left for discussions (see the attached file for details). In the afternoon, the participants break out in groups of 6-8 and define in greater detail some of the identified unsolved challenges and report back to the whole group at the end of the afternoon. He encouraged people to plan the participation. They expect 50-60 participants (see the attached file for details.)

### **Task forces**

Systems Biology—Elling Jacobsen (Sweden) couldn't make the meeting but sent the message that he has no special news to report and he will try to arrange a special session for the upcoming ADCHEM meeting.

Energy – Hector Budman (Canada) gave a brief update and mentioned two special sessions are being arranged for the upcoming ADCHEM meeting (“Process systems engineering applications to energy processes (submissions: Gopaluni, de Prada, Daoutidis, Foss, Braatz, Lee, Alvarez)” and Control and Optimization challenges in the oil and gas industries (Energy optimizations in the oil and gas industry) organized with Don Bartusiak (submissions: Suncor (2), Huang, Bartusiak, ProSensus (McGregor), Foss, de Prada, Barton/Yang, Scali). The challenges for industrial contributions include length of paper (consider possible extended abstracts for industrial contributions, confidentiality, costs)

Frank Doyle mentioned that tasks forces are intended to be “transient,” meaning running ones should be retired once their goals have been reached and new ones should be created as needs arise. For this, goals and objectives of each TF should be made specific and focused.

CO2 Management – The TC Chair briefly mentioned that this is an area of increasing importance and the TC should consider how to raise its presence and participation in the area. He asked for volunteers to work with him on organizing special sessions on related topics in future meetings.

Big Data, Process Analytics – Joe Qin was asked to for a TF on the topic.

**AOB**

None.

Cape Town, August 25, 2014

Jay H. Lee

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