

**Minutes from the IFAC TC 6.1 Annual Meeting
@ 2019 DYCOPS, Florianopolis, Brazil,
April 23, 2019, 6-7:30 pm**

Welcome and Introductions

The meeting was called to order by the TC Chair Richard D. Braatz and TC Vice Chair Rolf Findeisen. After reviewing the agenda, the minutes were unanimously approved for the TC 6.1 meeting held in Shenyang in 2018.

2019 DYCOPS

IPC Chair Benoit Chachuat reported on the 2019 DYCOPS. 200 submissions were received, which was on par with previous DYCOPS. Five invited session proposals were submitted, which is lower than usual. The editorial board was able to obtain 3 or more reviews for more than 50% of the submissions, and a minimum of 2 reviews for all of them. 165 manuscripts were accepted, and four of the invited session proposals were accepted. 31 manuscripts were rejected (those with D score or lower, or rated as being out of scope), with 26 being contributed paper submissions and 5 being invited paper submissions (1 session). The number of submissions from the CAB Technical Committee was much lower than the number of submissions from the DYCOPS Technical Committee. 37 of the lower rated manuscripts (average score of C or C-) received a second stage of review; of those manuscripts, most were accepted. Four manuscripts were withdrawn.

All 8 keynotes were selected from contributed manuscripts, with five being in DYCOPS topics and three being in CAB topics. None of the manuscripts received an average of A score. There were 3 plenary speakers. 19 sessions were DYCOPS topics and 7 sessions were in CAB topics.

Three parallel tracks with 5 to 6 talks, or 1 keynote + 4 talks, per session. The poster session had three parallel tracks with 3-min talks on April 24 and posters on April 25. The 3-min talks allowed people from countries that require talks to be able to travel to the conference.

An IFAC Young Author Award was announced at the Banquet Dinner. The decision was made by an independent award committee chaired by Michela Mulas (members: Martha Grower, Denis Dochain, and Alexander Mitsos). 11 nominations were received; 3 finalists were selected based on nomination letter, presented paper, and paper reviews; and the winner (Lucie Chambon) was selected out of the 3 finalists based on the oral presentations.

A special issue of the Journal of Process Control will be published. 20 papers were selected based on review scores, including plenary and keynote papers. Dochain reported that 15 authors had

accepted the invitation to submit an extended paper (the submission deadline is the end of August 2019).

Four bursaries totalling 4110 euros were given to IFAC Young Authors from developing countries to attend the symposium.

The symposium was preceded by 4 workshops on Tuesday 23 April (1 full-day and 3 half-day). All 4 workshops had between 15-30 attendees.

2020 IFAC World Congress

IPC Co-Chair Rolf Findeisen encouraged contributions to the 2020 IFAC World Congress, which will be held in Berlin, Germany on July 12-17, 2020 (<https://www.ifac2020.org/>). Rolf detailed the special features of the conference, and answered questions from the TC members.

Reports for Working Groups

Working Group Chairs Rudiyanto Gunawan (Systems Biology), Hector Budman (Energy), and Luis Ricardez-Sandoval (CO₂ Management) reported on invited sessions at the 2019 DYCOPS and their plans for the 2020 IFAC World Congress:

- For IFAC World Congress and ADCHEM, Rudiyanto plans to organize a session on systems modeling, analysis, and control in biopharmaceutical manufacturing of monoclonal antibodies with potential contributors including Cleo Kontoravdi (Imperial College), Sakis Mantalaris (Imperial College), Massimo Morbidelli (ETH Zurich), Miroslav Soos (UCT Prague), Dong-Yup Lee (Sungkyunkwan Univ., Korea), Rudiyanto Gunawan (U Buffalo), and Richard D. Braatz (MIT).
- Due to the low number of confirmations received to submit contributions for the invited sessions on Energy and CO₂ capture & storage, CC6 Chair Jay H. Lee and Working Group Chairs Hector Budman and Luis Ricardez-Sandoval agreed to organize a joint invited session on Energy, Power, and CO₂ capture management for the 2019 DYCOPS. As indicated in the technical program, there are two invited sessions covering these topics plus one keynote lecture (Julio Elias Normey-Rico, Federal University of Santa Catarina, Brazil). Contributions for these sessions come from many groups, including S. Pistikopoulos (Texas A&M, USA), C. de Prada (Universidad de Valladolid, Spain), L. Imsland (Norwegian University of Science and Technology, Norway), and H. Harjunkoski (ABB AG, Switzerland). Moving forward, CC6 Chair Jay H. Lee and Working Group Chairs Hector Budman and Luis Ricardez-Sandoval plan to organize a similar session(s) for the upcoming 2020 IFAC World Congress and 2021 ADCHEM. The same list of contributors for the 2019 DYCOPS will be considered plus additional interested researchers working in the areas of Energy, Power, and CO₂ capture management.

2021 ADCHEM

TC Vice Chair Rolf Findeisen presented slides from IPC Chair Gabriele Pannocchia that provided an update on the 2021 ADCHEM to be held on June 13-16 in Venice, Italy.

2022 DYCOPS Site Selection

This symposium is scheduled to go to Asia/Australia according to the geographical rotation in place. Proposals were solicited before the previous TC meeting. TC Vice Chair Rolf Findeisen and Prof. Jong Min Lee presented proposals on holding the 2022 DYCOPS in Malaysia or South Korea, respectively. High-quality proposals were presented for each country, and members asked questions. After the presentations, the presenters and citizens of their country left the room and the TC discussed the bids and voted on which site to select. The selected site was Busan. The TC Chair Richard Braatz noted that the IPC Chair is selected by the TC rather than the NOC, and encouraged all TC members to email nominations of IPC Chairs to the TC Chair. The TC Chair also noted that the IPC Chair has been selected in recent years to be from a different geographical region than where the symposium is held, which was put in place some years ago to ensure that each IFAC Symposium is well represented by the international community, rather than being a regional conference.

The presenter for the other proposal will be encouraged to

- participate more in the ADCHEM and DYCOPS symposia series
- select a location, such as a hotel, that is, fits the size of the conference (that is, is not a huge and possibly expensive conference center)
- reduce the conference registration fee, which should be enabled by a change in location, so that more local control engineers can financially afford to attend the conference

Final Comments

TC Chair Richard D. Braatz announced that

- the next TC 6.1 meeting will be at the 2020 IFAC World Congress in Berlin, Germany
- the 2023 IFAC World Congress will be in Yokohama, Japan
- the 2024 ADCHEM should be in the Americas, based on the TC's geographical rotation, and that all people interested in hosting the symposium should directly contact the TC Chair
- the initial bid proposals for the 2024 ADCHEM will be held at the next TC 6.1 meeting.

TC Vice Chair Rolf Findeisen noted that bid proposals for IFAC symposia should not include names of proposed IPC Chairs, since the IPC Chairs are selected by the TC.

Florianopolis, Brazil, April 23, 2019

prepared by Richard D. Braatz with
insertions/revisions by Rolf Findeisen