

## IFAC Technical Committee (TC) on Education

Chair: Antonio Visioli

24 July 2022, 16:30 – 18:00

Advances in Control Education Symposium (ACE), Hamburg

### *Attendees in Hamburg*

Adriano Fagiolini  
Alberto Leva  
Anja Garone  
Antonio Visioli  
Bozenna Pasik-Duncan  
Brian Douglas  
Cristina Maniu  
Damiano Varagnolo  
Emanuele Garone  
Francisco Garcia Mauras  
Gerwald Lichtenberg  
Gorazd Karer  
Jose Luis Guzman  
Lars Paasche  
Levente Kovacs  
Manuel Schimmack  
Margret Bauer  
Marice Llotine  
Nuo Li  
Paulo Moura Oliveira  
Pedro Albertos  
Ramon Costa-Castello  
Roberto Bucher  
Ruomu Tan  
Sebastian Dormido  
Steffi Knorn

### *Via Zoom*

Atanas Serbezov  
Bassam Alrifaae  
Dana Copot  
Danilo Oliveira Martins  
Fabrizio Padula  
Francisco Jose Manas Alvarez  
Javier Sotomayor  
John Hedengren  
Junaid Ahmed Memon  
Larry Stapleton  
Laura Screpanti  
Pavel Pakshin  
Ruth Bars

Minutes: Margret Bauer

Welcome everyone from Antonio Visioli. TC is in a very good shape.

**Topic 1: New structure for education activities (presented by Steffi Knorn)**

- The task force led by Lucy Pao has proposed to establish a new executive committee (that is able to do things). The chair will be a nonvoting member of the IFAC Council.
- TC 9.4 will still exist. It is no longer called EdCom (Education Committee) as the name can cause some confusion.
- TC Vice Chairs (VC) for education should enhance activities for education
- The idea is that everything will be brought to the attention of the IFAC community.
- The relationship with the TC VCs is not formalised, but there will be a known list of contact people within when there is something relevant to communicate to all TCs.

**Topic 2: TC Strategic Review (Larry Stapleton, IFAC CC9 Chair)**

- Larry's last year as CC9 Chair, vision document for the next Area chair CC9 Social Systems
- TC9.4 is one of the most important TCs, interdisciplinary
- Asking that the TC Chairs and vice chairs to identify a vision and direction, one page, 600 words
- Elements of scope to keep and drop
- Review events and publications, work towards remote education, diversity and inclusion?
- Should be aligned within the overall agenda.

**Topic 3: TC9.4 Award – Control Education Life Time Achievement (Antonio Visioli)**

- Antonio thanks Ruth Bars for having chaired the selection committee. Karl Johan Astrom and Bozena Pasik Duncan have been awarded. Many congratulations to them!

**Topic 4: TC activities (Antonio Visioli)**

- Demonstrator and other sessions for next IFAC WC. TC members are strongly invited to contribute.
- Surveys: First control course, teaching during the pandemic. They are still open!
- Repository for control resources: coordinated by Anthony Rossiter with help of John Hedengren, Brian Douglas (resourcium.org). The idea is to build a very simple website with links to the collected resources.
- Brian Douglas: resourcium.org was started with no cooperation, looking forward to some cooperation.
- Roadmap for control for societal challenges (working group coordinated by Anthony Rossiter), collaboration with IFAC and IEEE.
- Benchmark systems (Jose Luis Guzman): Taskforce on benchmarks for control to engage students. Currently difficult to maintain. Idea: Develop online platform, used by everybody. Smaller scale in Spain carried out. Review of benchmark system (Antonio).

**Topic 5: IFAC Activity Fund (Margret Bauer)**

- There were four activities that were successful and supported by TC9.4. Antonio wrote the letters of support for these activities.
- Please continue to submit your application for funds, find more information on: <https://sites.ifac-control.org/activityfund>

**Topic 6: Co-sponsored Conferences (Antonio Visioli)**

- In 2023 the World Congress is the only event.

**Topic 7: IFAC Harold Chestnut Textbook Prize (Bozenna Pasik Duncan)**

- Nominate carefully, explain what you mean by innovative, how do you interpret that the textbook is interpreted.
  1. Written in English (the official IFAC working language)
  2. Published between 1 September 2014 and 31 July 2020.
  3. No more than one IFAC Control Engineering Textbook Prize may be given for any particular textbook.

**Topic 8: Proposals for next ACE 2025 (Levente Kovacs)**

- Levente proposes to host the IFAC ACE 2025 at the Obuda University in Budapest.
- Budapest is well connected by plane and train to the whole world.
- Conference format with regular sessions and keynotes.
- The TC approves this proposal.

**Topic 9: Proposal IBCE, Internet Based Control Education (Dana Copot)**

- Dana proposes to host the IFAC Workshop on Internet Based Control Education in Ghent (B) in 2024 (past editions were in Madrid, Grenoble, Brescia). She has experience in organizing IFAC conferences as the PID2018 and the BMS in 2021).
- There has been a discussion, started by Sebastian Dormido, about the need to organize the IFAC IBCE on a regular basis. There has also been a discussion about the need of having hybrid or in-person only conferences.