IFAC Technical Committee (TC) on Education

Chair: Antonio Visioli

16 December 2022, 15:30 – 17:00 CET

Virtual Meeting on Teams

Minutes: Atanas Serbezov

Attendees
Antonio Visioli
Atanas Serbezov
Damiano Varagnolo
Katarína Žáková
Jose Luis Guzman
Elena Zattoni
Lucy Pao
Gorazd Karer
Bassam Alrifaee
Nicolas Hudon
Manuel Berenguel Soria
David Scaradozzi
Marjan Golob
Daniel E. Rivera
Junaid Ahmed Memon
Laura Screpanti
John Hedengren
Ademar Costa Junior
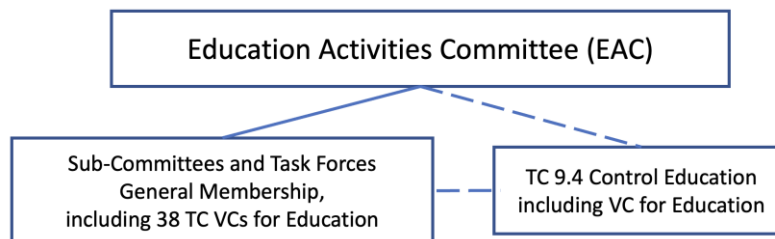Mehmet Turan Söylemez
Cristina Stoica Maniu
Bozenna Pasik-Duncan
Rajesh Abraham
Pavel V. Pakshin
Ruth Bars

1. Welcome (Antonio Visioli)

2. Initiatives for the IFAC WC (Antonio Visioli)
   - 21 papers submitted (16 regular and 5 demonstrators)
   - Please participate in the review process when asked by the associate editors
   - CC9 Milestone session. Social Systems, Automation and Control: Coordinating Committee for Social Systems
   - Panel Session: What should control education look like in 2030?
   - TC9.4 meeting

3. IBCE24
   - There is a proposal by Ghent University. The format will be hybrid in order to foster the participation of researchers from many countries.

4. Updates on the Education Activity Committee (Lucy Pao)
   - The new "Education Activities Committee" will be an IFAC Executive Committee. The Chair of the Education Activities Committee will be an an ex officio (non-voting) member of the IFAC Council, and will also be the IFAC Technical Board (TB) Vice-Chair for Education Activities.

   - Sub-committees to give outreach activities a home within IFAC
     - Girl in Control / Kids in Control, Chair: Steffi Knorn
     - Middle / High School Outreach, Chair: Danny Abramovitch
   - Task forces
     - Workshops on Control Education
       Chair: Claudia Califano
     - Short Courses / Tutorials Before Major Events and Summer Schools
       Chair: Micky Rakotondrabe
     - Coordination of Edicational Activities with IEEE and other organizations
       Chair: Paolo Castaldi
     - Undergraduate Education / The Future of Teaching Control
       Chair: Ubirajara Moreno
     - Benchmark Problems
       Chair: José Luis Guzman
     - Gamification for Educational Purposes
       Chair: Jimmy Lauber
5. Updates on the survey "Online resources" (Atanas Serbezov)
   - Paper and panel session at ACE 2022. Good feedback from both.
   - More resources are needed. The survey is still open: https://tinyurl.com/control-resources
   - Next step is classification of the resources and hosting environment.

6. Initiative of the IFAC Industry Committee (Atanas Serbezov)
   The Industry Committee has established a task force on "Open Access Resources for Continued Education of Automatic Control Practitioners".

7. Updates on the survey "Teaching during the pandemic" (José Luis Guzman)
   - Paper and panel session at ACE 2022. Good feedback from both.
   - The survey is still open: https://tinyurl.com/pandemic-edu
   - The content of the ACE 2022 paper will be expanded and submitted to Annual Reviews in Control.

8. Updates on benchmark problems (José Luis Guzman)
   - The goal is to create a platform where students can evaluate control algorithms.
   - This is still work in progress

9. Opportunities with the IFAC Activity Fund (Margret Bauer)
   - Submission deadlines are the 15th April and the 15th October.
   - More information at https://www.ifac-control.org/areas/activity-fund

10. Call for the Harold Chestnut Control Engineering Textbook Prize (Bozenna Pasik-Duncan)
    - Nominations must be received by 1 February 2023.
    - Only first editions are eligible.
    - Textbook must be published between 1 September 2014 and 31 July 2020.
    - More information at https://www.ifac-control.org/awards/call-for-nominations-harold-chestnut-control-engineering-textbook-prize/view

11. IFAC funded projects "Open Book of Automatic Control Exercises" and "FaceIt – IT Tools for Estimating the Knowledge Status of Your Classes" (Damiano Varagnolo)
    - The goal is to create an open database with control problems.
    - Very good progress has been made.
    - The portal can be viewed at https://faceit.pythonanywhere.com/
    - Similar platform has been developed by AIChE, https://conceptwarehouse.tufts.edu/cw/

12. Online Collection of Exercises (Antonio Visioli)
    - There is a need to review the problems and exercises in the online collections to maintain the quality of the submitted material.
    - An idea for establishing an Editorial Board was discussed.

13. Webinars
    - An idea for organizing webinars was discussed.
    - The idea is good, but the implementation details must be worked out.
    - A similar webinar platform can be viewed at http://apmonitor.com/wiki/index.php/Main/ApplicationWebinars

14. Any other business
    - Announcement of CPM Olympics Competition and potential integration with the TC activities (Bassam Alrifaee) https://cpm-remote.embedded.rwth-aachen.de/olympics