

### Minutes of TC 9-5 Meeting in Durres, Albania, October 2016.

*Prepared by: Dr. Larry Stapleton, TC Chair*

*Location: Conference Room B, Hotel Bleart, Durres, Albania*

*Time: 12.30 pm – 2.30 pm*

1. Dr. Stapleton formally opened the meeting with a special welcome to new members and new member countries (NMOs) and provisional NMOs as well as all attendees. An Attendance was taken and 29 members were in attendance representing 10 countries.
2. The proposed agenda was review and minutes of last meeting read into the record and agreed without revisions.
3. Review of TECIS 2015 Event: key outcomes were reviewed (these are included in other correspondence and will not be repeated here for brevity). Special thanks to Bulgarian NMO for TECIS 2015 were extended by all present through the chair and Dr. Sevil Ahmed of Sofia Technical University, Plovdiv Faculty, agreed to relay the message back to her NMO.
4. The meeting reviewed the TECIS 2016 Event: Thanks were extended to the Kosovan and Austrian NMOs and to the Albanian scientific community. Developments were set out by the Austrian and Kosovan NMO representatives as regards the establishment of a new NMO in Albania. Albanian scientific community representatives in attendance warmly welcomes and supported these efforts and described how the establishment of a new IFAC NMO in Albania were in an advanced stage of- development. The TC 9-5 chair reiterated the support of IFAC for the Albanian scientific and engineering community and that IFAC and TC 9-5 were available to lend any support needed to enable this project come to fruition.
5. Expressions of interest for future TECIS events were reviewed. Representatives of the Bulgarnian and Azerbaijani scientific and engineering community. Dr. Sevil Ahmed (Bulgaria) and Dr. Bahadur Ibrahimov (Azerbaijan) both made strong cases for TECIS events in the next triennium in Bulgaria (either Plovidiv as part of the European City of Culture events in 2019 or in Sozopol in 2018) and in Azerbaijan, Baku (proposed for 2018 as part of efforts to establish a new IFAC NMO in that country). The chair extended support to both communities and TC members agreed that either/both venues and outline proposals aligned well with TC 9-5/CC9 goals and scope. Both countries were invited to submit formal proposals and both the chairs and vice-chairs were available to assist.
6. The chair related various Technical Committee, CC and Technical Board Updates which can be found in other correspondence and are not repeated here. Best wishes to the membership and apologies from CC 9 Chair Professor Lamnabhi-Lagarrigue were also extended to the committee through Dr. Stapleton.
7. Dr. Stapleton cannot continue as chair under IFAC rules beyond the current Triennium. A new TC Chair nomination was required for 2017-2020. Dr. Stapleton proposed Professor Peter Kopacek, current vice-chair, as incoming chair. Peter Kopacek's record as a leading figure in IFAC for many years and as a founding

member of the TC was reflected upon. The proposal was seconded by Prof. Peter Groumpos. There were no other nominations and Prof. Kopacek was unanimously elected as incoming TC chair, to be officially appointed in Toulouse 2017. Dr. Stapleton thanks Peter Kopacek for his tremendous efforts for the TC and IFAC more generally.

8. Plans for IFAC World Congress TC 9-5 Sessions in France 2017 were reviewed and the following noted:
  - World Peace and International Stability Special Session submitted to papercept awaiting review
  - Session from Ethics Working Group submitted to papercept awaiting review
  - Cost Oriented Automation Special Session had been previously proposed but it was not submitted. Instead 3 regular papers have been submitted to the IFAC WC in COA related topics and are awaiting review
  - TC 9-5 researchers have also submitted a contribution to the Open Invited Session of TC 5-3. The paper addresses the automation and control, as well as the automatic identification, of dynamic, complex business processes using process mining and ontologies. The paper is currently in review.
  - One other paper has been submitted which falls into the TC's scope which deals with cultural processes and methods (mainly associated with archaeological techniques). This paper is in review.

In summary, a large number and range of papers have been submitted from the TC to IFAC WC 2017.

9. Working Group Updates: The technical committee meeting proceeded with short updates for each of the current working groups. These focussed mainly on contributions to the IFAC WC , TECIS 2015 and TECIS 2016. This information can be found elsewhere in this document or in other correspondence including IPC/NOC reports and TC Chair Annual Reports and will not be detailed here. In summary the following updates were provided:
  - i. Cost Oriented Automation (COA) - Prof Peter Kopacek
  - ii. Ethics WG – Dr. Marion Hersh (who sent apologies) update provided through Dr. Larry Stapleton
  - iii. End of Life Management - Dr Berndt Kopacek (who sent apologies) update provided through Prof Peter Kopacek
  - iv. Non-Technical Aspects of ICT and Automation - Bogdan Lewoc – no update available
  - v. Young Members Group Updates – Amy Stapleton and Nathalia Kobza set out in detail developments in this group, including new members and successful efforts to expand the IFAC membership to new emerging scientists and engineers interested in international stability-related issues.
10. TC 9-5 promoted events for 2015/16/17 – Updates and Planning were briefly summarised. The main issue reviewed were plans for IFAC WC and discussions concentrated on this (see above)
11. TC9-5 Special International Journal Issue Updates, Announcements and Planning. A second special issue of *Artificial Intelligence and Society* (AIS) has been successfully published with contributions from TC 9-5 members. In the last special issue a new forum for short contributions from emerging IFAC engineer and scientists has been successfully established, with the purpose of promoting new and upcoming work in this field. Senior editor of AIS, Prof. Karamjit Gill, was thanked through the chair for his support and efforts on behalf of the IFAC/TC 9-5 community. Dr. Stapleton set out plans for a new AIS issue special proposal which focussed mainly on themes associated with the promotion of World Peace through Control and Automation Engineering and Science, and the interplay between IFAC work and other disciplines. The Technical Committee meeting agreed that this should be developed further and Dr. Stapleton committed to having a new proposal for invited, high quality papers, ready by the end of 2016 or in January 2017.
12. IFAC Applicability and Relevance to International Stability: During TECIS 2015 the Bulgarian NMO hosted a special evening session designed to elicit ideas for developing a new IFAC (especially TC 9-5) agenda in the area of International Systems and Affairs. Outcomes of this forum were summarised in other correspondence (see TECIS 2015 MNEeting Minutes etc.). In outline the following actions were set out:
  1. "Approach international communities" (WPC , AIS, others) – this has been developed during 2016 and some considerable progress made.
  2. "Establish the basis for a series of special session, beginning at TECIS 2016 – a panel session was organised for TECIS 2016, plus reflective end-of-day session during which key issues were captured and recorded
  3. "Special Session TECIS 2016" - Reflection Sessions and Panel for TECIS 2016 (see last point)

The draft agenda will include engagement and actions arising from development outlined above, specifically:

1. Determination of use of Panel Session Outputs: It was agreed that a special report be generated from the above efforts and circulated before the end of the year by the chairperson. [Note: This action item has been completed].
2. TC 9-5 Paper provisionally entitled "Striving for Global Stability - Establishing a New IFAC Agenda" to be formulated and submitted to the IFAC WC. [Note: this action item has been completed].

[Note: the special report has been posted to the TC 9-5 website and circulated to members].

Following these discussions the meeting was closed at approximately 14.30 pm.

**Close**