Minutes of theTECIS (TC 9-5) Committee Meeting August 26th 2014.

Venue: Meeting Room 2.65 (CTICC), IFAC World Congress on Tuesday, August 26th, 2014 at 12.15 am – 1.00pm

<u>Agenda</u>

1. **Welcome**

   The Chairperson Peter Kopacek welcomed the participants

2. **Roll call (and Apologies)**

   Present: Mike Fitzgibbon
                     Janusz Szpytko

   Apologies: Larry Stapleton
                     Marion Hersh
                     Greta Fitzgerald
                     Amy Stapleton
                     Bogdan Lewoc
                     Edmond Hajrizi
                     Karamjit Gill
                     Dietrich Brandt
                     David Smith
                     Anita Kealy
                     Peter Carew

   Note: Given problems of attendance some members coordinated with the TC meeting through the internet making submissions etc. through this medium. We hoped this would be more effective than it turned out to be!

3. **Approval: Minutes of last meeting**
   The minutes of the last meeting were approved

4. **Updates and Review**
    The new homepage is ready under tc.ifac-control.org/9/5
    The TC has currently over 70 members.

TC Scope:

Scope of the TC was revised since 2011 WC. This was discussed in some detail and reviewed with the Technical Board, and ratified with them. Main items re: scope have been the expansion in

- Cost Oriented Automation (adopting the scope of a recently decommissioned IFAC TC)
- Social Networks: a growing area of research hand practice of interest to IFAC
- Technology-driven change and innovation in relation to automation and control systems

Co-sponsored Events and related issues:

The main discussion items included

Most recently TC 9/5 co-sponsored the 8th IFAC Workshop on "Enterprise Integration, Interoperability and Networking (EI2N'2013)" Graz (Austria), September 11-12

TC 9/5 also supported TC 9/4 events and other events. We did not review these in much detail.

TC 9/5 appointed Dr. Peter Carew of WIT as the liaison with TC 9/4

Review of SWIIS 2013

Our highly successful SWIIS 2013 event in the Balkans was reviewed in some detail. It was noted that, in summary:

- 48 contributions, 2 Survey papers and 9 papers in 2 Invited sessions were included in the final programme
- The event offered scientists from Kosovo, Albania and across the Balkan region generally the chance to present their research results at an International event.
- The event was enormously successful and was covered in major newspapers and other media.
- The details of this were reviewed and congratulations were extended formally to the Kosovan NMO, NOC and the IPC members

Working Group Updates:

The working groups of TC 9-5 have been enormously busy during the last triennium. In summary, the following outcomes have been achieved and were reviewed at the TC meeting:

i. **Ethics (M.Hersh)**
    As announced at the last WC, this working groupo has generated a new edited set of readings published as a book entitled "Ethical Engineering for International Development and Environmental Sustainability" edited by Marion Hersh. It includes 12 contributions and is currently in production. We hope it will appear early in the next Triennium.

    This WG also contributed a full invited Session at the IFAC WC 2014.

ii. **Automation in End of Life Management (B.Kopacek)**

This WG organised an invited Session at SWIIS 2013 as well as papers for previous events (SWIIS 2012 in Ireland).
There was also accepted 1 Paper at the IFAC WC 2014

iii. **Non-Technological Aspects of ICT and Automation (B.Lewoc)**
This new, recently constituted WG addresses the whole area of Improvements in the Non-technological aspects of ICT systems in emerging economies. It builds upon successful work going back many years in the Social Impact space. The WG focuses especially on technology-driven change and its implications for international stability with special emphasis on emerging economies.

Technical Committee Officers: Appointments for next Triennium

Larry Stapleton (Chair), Marion Hersh and Peter Kopacek (Vice Chairs) were approved for the next triennium (2014 – 2017).

Larry Stapleton informed the meeting that he was delighted and honoured to be elected for a second Triennium and was delighted also that his previous vice-chairs have agreed to continue.

TC 9-5 sponsored and cosponsored events for 2015

The Technical committee has already agreed with IFAC to organise a major event in 2015 entitled "TECIS 2015" dated September 24-27 in Sozopol (BG).
http://www.tecis.tu-plovdiv.bg

The committee congratulated the Bulgarian IFAC NMO on a successful submission to IFAC and we look forward very much to this event.

Journals

Whilst acknowledging the ongoing and much welcome support of senior members of the IFAC technical board, in recent years the technical committee membership had expressed discomfiture with the lack of acknowledgement in IFAC of the tremendous output of the group. At the last IFAC WC this was discussed with the incoming CC chair and there was some hope that special issues featuring Social Impact research, and TECIS work in particular. Would be invited by IFAC journals through her representations. Sadly, we could report that little progress has been made within IFAC on this matter during the past Triennium. Not withstanding this a TC vice chair successfully published her TC 9/5 work in an IFAC journal during the triennium. The citation is:

M.A. Hersh (2013). "Barriers to Ethical Behaviour and Stability: Stereotyping and Scapegoating as Pretexts for Avoiding Responsibility", *Annual Reviews in Control*, vol. 37, pp. 365-381.

The technical committee also adopted a strategy of independently targeting important journals which feature control, automation and computer science research in relation to social impact issues. Our three year strategy set the objective of securing a presence in a major journal during the triennium starting 2011. We are delighted to report that a special issue of the international computer science and human centred systems journal "Artificial Intelligence and Society" was dedicated to TECIS research and ideas. The special issue appeared in early 2014 (AI & Soc (2014) number 29). This issue included 14 technical committee papers featuring conceptual and theoretical

contributions, surveys and empirical research, as well as a TECIS editorial and an industry perspective.

A summary table of contents for the issue is provided below, indicating TECIS contributions:

Paper	Lead Author
An Inquiry into Human Nature and the Cost of the Wealth of Nations: Addressing Global Systems Failure Through An Integral Systems Paradigm for Sustainable Development *(Industry Perspective)*	D Martin
Technologies, Culture, Work, Basic Income and Maximum Income	A Cottey
Towards Empathy: A Human-Centred Analysis of Rationality, Ethics and Praxis in Systems Development	P Carew
Science, Technology And Values: Promoting Ethics and Social Responsibility	M Hersh
Limits of Global Growth, Stagnation, Creativity and International Stability	V Tsyganov
The Machine's Role in Human's Service Automation and Knowledge Sharing	M Heder
e-Agriculture Adoption and Innovation Policy through a Human Centred Integral Systems Lens	S Somers
Privacy Issues in a Psychiatric Context	N Zakaria
Exploring the role of Citizen Journalism in Slum Improvement	T Desta
International Development: Exploring the gap between organisations' development policy and practice	D Dennehy
Adopting a Musical Intelligence and eLearning Approach to Improve the English Language Pronunciation of Chinese Students	Luqi Wu
Trust and Team Development to Fight Chaos	D Brandt
How High Growth Economies Impact Global Information Technology Departments	T Brown
The Human Role in the Age of Information	T Vamos

Artificial Intelligence and Society senior editors inform us that the issue was very well received. The technical committee is currently working on a second TC9-5 Issue to appear, it is hoped, sometime during the next triennium.

We are very grateful to the Senior Editorial team and AIS for their ongoing support of our work.

Going Forward

- **IFAC WC 2014**
  One Invited Session with 5 papers and one regular paper

- **TECIS 2015 & 2016?**
  TECIS 2015 is a conference in Sozopol, Bulgaria.
  TECIS 2016 will take place in Krakow (Poland) organised by Professor Janusz Szpytko and a proposal is in preparation.

- **Journal publication updates**
  As we have already indicated in these minutes during 2012-13 TC 9-5 secured a special issue of the international Journal "Artificial Intelligence and Society". This issue of Artificial Intelligence and Society comprises fourteen papers from members of the Technical Committee for Technology, Culture and International Stability (TC 9-5).

  Strategy to continue to attract young people: TECIS is developing as strategy to encourage more young people into IFAC and into TECIS in particular. Partnerships with European Engineering communities are being explored in this regard.

5. Next meeting
   We look forward to meeting again in 2015 at Sozopol in conjunction with TECIS 2015.

6. Other business
   There was no other business and the meeting was closed.