



Minutes for IEEE Canada – TISP Committee Meeting #1-2014

Date: Wednesday January 22nd, 2014

Time: 8:00- 9:00 PM

Teleconference call #:

1-866-512-0904

access code: 9935797#

1. Roll Call of Participants

Anis (Chair); Anader (Past-Chair); Davy; Mooney; Rossitza; Dirk; Bruce; Patrick; Dave

2. Approval of the Agenda

Added 5a, 5b, 5c; approved

3. Approval of the Minutes from November 27, 2013 telecom call

Minor correction from Dirk - EPICS instead of Ethics. Accepted.

4. Chair's report (Anis)

None

5. Reports on previous action items if any

a. HITC (Humanitarian Initiative for Technology Challenge) organizes GHTC (International Humanity and Technology Conference) 2014 conference in Montreal, June 1-4, 2014.

Anader. Ferial as a general chair has initiated an annual conference (planned to be annual). EPICS, TISP, WIE, etc. workshops will be conducted in this conference. Workshops will be led by Anader. The workshop for EPICS will led by Yvonne. TISP will be a major part as well. Anader asked who can help with presentations, panel discussions, etc. EPICS and TISP will be more joint program. 2 hour presentations ... June 1-4, 2014 – there are 2 time slots Sunday June 1 in the morning and Monday June 2 afternoon. Those willing to contribute should contact Anader.

Money made a correction that the proposal for the conference to be in Canada was proposed in Oct 2012 in Seattle. Anader asked that this would be covered in the minutes.

b. 2014 budget

Anader and Anis to discuss this further. Budget – how to carry balance from 2013 to 2014.

c. Workshop in Manitoba

Lynn had informed that TD bank supported TISP activities in Winnipeg - \$1000 for this event. It will be on March 20, 2014. Students will be designing antenna.

6. TISP Canada Committee (Anis)

Anis reported: We wanted to keep the same committee.

7. Support for TISP high school design competition (Dirk)

Dirk: The Canadian Atlantic is finalizing their design competition for the National Engineering month. Dirk requested a support of \$300 to meet a partial cost of the event. This was approved unanimously. Dirk will email a proposal and will submit the expense claim with receipts for reimbursement.

Bruce: The event will be reported in the TISP newsletter. They will have TISP booth and the IEEE newsletter will be distributed.

Dirk requested Anader and Anis to send in their contribution for Newsletter #8. Pat and Dave will give update of STAO 2013 with pictures. We should have coverage of annual events every year.

Patrick could track down teachers. 2000 are needed for the IHTC.

8. Proposed changes in the reporting of section activities (Anis)

Anis regarding the reporting system. If we go back any point to track what we have done. Some measuring tools how many students and teachers we are reaching. How we are collaborating with other organizations.

The reporting should be more detailed: In terms of numbers; Number of events; Number of Teachers; Volunteer succession for TISP; Collaboration – in which way. Propose an online reporting using Excel spreadsheet on Google Docs.

Bruce: Volunteers could be included. We need some evolution, bring new people.

David: Online and who will access.

Anis: Some people could be given access.

Anader suggested to create L31 format online reporting system. Davy could create a form similar for the chapter and section reporting.

Anis will create a demo version and contact Davy to make the form. *Anis* will email us before next meeting.

Everyone liked the idea.

9. Section reports

Witold will hold student's workshop in Winnipeg that will be supported by TD Bank. Students will be designing Antennas.

Patrick: Was at the UofT – 17 high school math teachers were present; he did binary lesson; He needs more material. UofT adopted a school and will run projects with science teachers.

Rossitza: The Canadian Math Kangaroo opened 7 new centres across Canada this year and the number of centres is presently 22, 20 of them at universities. Locally in Edmonton – 200+ students are enrolled in the club program.

Anis reported about Calgary – they had a day with 26 students in grade 6. The parents/teachers were present and went to Planetarium (Part of U of C). Students had access to the telescope. This could be included in Currier 8.

David Hepburn (email from Jan 22, 2014):

- STAO has accepted our deposit of \$350.00 to book a booth at the November 2014 conference. Anis and Dave will review detailed budget requirements for this item during the next week or so.
- STAO have expressed tentative agreement to our giving two presentations at this year's conference, to make amends for their having accidentally messed up our timing last November.
- Piscataway have finally approved our lesson plan "Basic Electrical Transformers" and this is now available on the net.
- In early January, Dave Hepburn sent them his draft of the next lesson plan in the series "Basic Electricity". The full text of the third in the trio "Basic Electric Motors" is also complete and ready to go. However, Dave is trying to put together a "hands-on" demonstration of a dc motor. But a commutator is proving not easy. Has anyone got any suggestions?
- New Business. I would like to suggest that the Agenda for the February meeting include an item to the effect that all sections be encouraged to prepare a budget for TISP activities for the coming year. With all due respect, I suspect that most of us

tend to leave things until just a month or two ahead of the event, by which time the TISP budget is beginning to run low. All businesses prepare a careful budget each year, and we should do likewise.

David Hepburn (email from Feb 24, 2014):

- There are two Science Fairs coming up next month in the Hamilton area - Bay Area Science & Engineering Fair (Bay Area meaning Hamilton Bay), and the Niagara Region Science & Engineering Fair. Hamilton Section will be offering two prizes of \$50 each at both fairs. (i.e. Total 4 prizes and 4 certificates).
- Pat Finnigan (Toronto) and Dave Hepburn (Hamilton) are working with STAO (Science Teachers Association of Ontario) with a view to giving two presentations this coming November, with a view to making up for the presentation accidentally lost last year. The desired topics this year are aimed at improving math scores, and we have plenty of material for that. Closing date May 31.
- New Lesson Plans. Present score is:- Published - 1 (Transformers), in Editing at Piscataway - 2 (Basic Electricity, and Electric Motors). In preparation - 1 (Binary for the Younger set. Originator = Anis).

Murray MacDonald on London activities (email from Feb 24, 2014):

- 1) Completed presentations and student activity (building dams) at 8 elementary schools in conjunction with PEO (with civil engineer) over Nov 2013 to Feb 2014
- 2) Lead a fall SPARK conference (keynote and 4 activities) with Thames Valley DSB Dec 10 at Medway H.S. to ~120 students with some assistance from PEO - involved 4 volunteers on Dec 10
- 3) Completed a presentation and transformer activity at Althouse College to science teachers in the Pre-Service Teacher Program on Jan 22 with positive feedback and opportunity to repeat next year.
- 4) Planning a National Engineering Month activity at London Children's Museum with PEO volunteer on March 22 - Rubik's cubes (supplied by EIC) and Paper Plane competition.

Kartikeya Murar, Calgary activities (email from Feb 24, 2014):

7 January 2014 - Rothney Astrophysical Observatory Center-grade six-10AM-1:30PM - 21 students - Brentwood Elementary School

On 7 January 2014, Rothney Astrophysical Observatory Center was booked for the two programs and the observatory tour. 21 students of grade 6 from the Brentwood Elementary School accompanied by three chaperons were present. Two programs topics were:

- The Earth is a ball
 - The one, the only, the original, the Moon
- Along with program, Students were given a group activity to build a working telescope and tested its optic by gazing at the beautiful rocky mountains. With time, Students curiosity forced to ask questions about solar system, moon and other

planets. The answers were unbiased and scientifically supported which helped students visualize the world in front of their eyes. Meade LX 200, professional telescope, was used to observe the sun with three solar activities on the surface. The observatory has one of the three largest telescopes in Canada and it is called Sandy Cross telescope. This telescope is capable of looking in visible and infra-red spectrum of light. The picture taken by the telescope and meteorite rock became the star attraction for the students.

10. Next meeting schedule

Feb 26, 2014

11. Other business

Anis: How to make the sections active. Anis will prepare something for a Task Force Committee.

Anader: reactivating sections and bringing volunteers

12. Adjournment: 8:56pm

IEEE Canada – TISP Committee Members 2014:

Chair: **Anis Haque**,

TISP Secretaries: **Rossitza Marinova & Mooney Sherman**

Newsletter Editors: **Dirk Werle, Patrick Finnigan, Dave Hepburn, Murray MacDonald**

School Boards Liaison: **Patrick Finnigan & David Hepburn**

Treasurer: **Kaveh Moezzi**

Webmaster: **Davy Zou**

Note: Attendees are underlined.

Sections

- | Sections | Section Champion(s) / Guests |
|--------------------------------|--|
| • Newfoundland | Brian Kidney |
| • Canadian Atlantic | <u>Dirk Werle</u> |
| • New Brunswick | Brian Scott / Esam Ghanem |
| • Quebec | Hoang Lehuy / André Morin |
| • St. Maurice | Adel-Omar Dahmane |
| • Montreal | Samir Kharaf / Manijeh Khataie |
| • Ottawa | Janet Davis / <u>Wolf Lunscher</u> |
| • Toronto | <u>Patrick Finnigan</u> & <u>Dennis Cecic</u> |
| • Hamilton | <u>Dave Hepburn</u> |
| • Kitchener/Waterloo | Amir Khatibzaden |
| • London Ontario | Murray MacDonald / Maike Luikken |
| • Peterborough | Sean Dunne / Luc Matheau |
| • Kingston | Basel Nabulsi, Shahram Yousefi |
| • Winnipeg | Witold Kinsner & Dario Schor / Shaahin Filizadeh |
| • Saskatchewan | Wahid Khan / Craig |
| • Calgary | Kartik Murari / <u>Anis Haque</u> |
| • Edmonton/Northern Canada | <u>Rossitza S Marinova</u> / <u>Mooney Sherman</u> |
| • Vancouver | Steven McClain, Mark Isaak, Zahra Ahmadian, Elroy Switlishoff |
| • Victoria | Amirali Baniyasi / Kelly /Alexandra |
| • IEEE Canadian Review Liaison | <u>Bruce Van-Lane</u> |
| • Past Chair | <u>Anader Benyamin-Seeyar</u> |