



Minutes for IEEE Canada – TISP Committee Meeting

Date: Wednesday March 07th, 2012

Time: 8:00- 8:55 PM

Teleconference call #:

1-866-512-0904

access code: 8514573#

1. Roll Call of Participants

See annotated table attached at the end.

2. Adoption of Agenda

Adopted with additional items:

- A. Web Site Issues
- B. TISP Training
- C. Invitation to TISP workshop in Tampa, Florida
- D. Plans for TISP workshop in Vancouver in 2013

3. Review of Minutes from January 24th & November 30th telecom call

Adopted

4. Report on STAO 12 preparations?

- Both booth and presentation confirmed with STAO

Presenter: Dave Hepburn

Associate presenter: Pat Finnigan

Structures and Mechanisms:

Will demonstrate the basics of electrical transformers and show you how to build a working demo in 30 minutes (teams of 3) using simple materials from the local hardware store. Capable of stepping up from 8 Volts to 16 Volts. Then debate how it could be improved in the real world.

Workshop with about 40 participants.

- Funds confirmed for Hamilton, TISP Canada, Toronto, London
- Reminder will be sent to all sections in Ontario
- Pelle Westlind (Toronto Section Treasurer) will collect and disburse funds.

5. Preparation for the 2nd Issue of TISP Canada's Newsletter (Courier # 2)

- Reviewed tool and website for uploading content: everybody concerned found it accessible and easy to use.
- Some older Manitoba material "Sage" has been uploaded by Pat, pending updates from Witold – lots of good stuff there !
- Bruce, Dirk and Pat are assembling existing material and looking for more input (i.e. Transformer lesson plan article from Dave).

6. Preparation of TISP Canada Report to IEEE EAB-PECC & IEEE R7

- Anader will report the following highlights:
 - * TISP Canada Committee is very active and productive
 - * TISP Canada has monthly teleconference calls
 - * TISP Canada chapters across Canada have been engaging schools in professional development days;
 - * TISP Canada has started putting out a tri-monthly newsletter
 - * Canadian Atlantic Section participated in Engineering Month
 - * TISP Canada is actively planning their next workshops.

7. Organizing next Section based TISP Workshop(s)

- Canadian Atlantic Section co-organizing and participating actively a TISP-inspired design-and-build competition for students at the National Engineering Month event in March 2012, Halifax (Dirk).
- Similar event will be held in April, Manitoba (Witold).

○ **Web Site Issues**

- Hamadou and Youness will fix the broken link to access:
 - Update: Youness renewed the domain name "tispcanada.ca" on March 14, and the website is fine now.

○ **TISP Training**

No discussion on this topic

○ **Workshop in Tampa**

- Anader is now sitting on the IEEE EAB Board
- Sponsored by the IEEE PECC Committee
- Celebrating 10 years of the TISP program

- Invitations have been sent to several R7 TISP committee members.
- **Vancouver 2013 Workshop**

Anader will communicate with Mrs. Yvonne Pelham on this opportunity in Vancouver.

8. Review of all Sections TISP activities :

- Section activities (**encouraging the inactive sections!**)
- Plans for the rest of the year activities.

Atlantic Canada

- Gearing-up for Engineering Month event
- Halifax school board is promoting this
- Major prize is enrollment in “SuperNova Summer Camp”
- Main event is junior-high-school age “Popsickle Bridge” building at Atlantic Mall.

Montreal

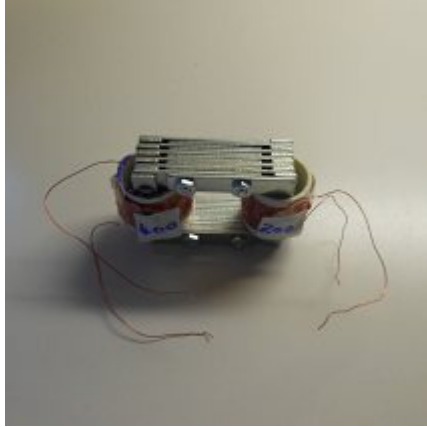
- Samir is organizing events with Montreal school board – he has a good teacher contact
- Plan face-to-face meetings with Katherine Davey (Ministry resource) and Nancy Battet (Lester B. Pearson school) to plan Montreal area activities.

Toronto

- Pat to follow-up with Dennis Cecic on his robotic activities
- Pat to attend and document Engineering Week activities.

Hamilton

- Dave will be a judge at April Science Fair – Saturday March 24 at Brock University (during Engineering Week).
- Dave has drafted several versions and submitted a “tryengineering” lesson on Transformers including many figures and photographs



London

Murray reported:

Plans to present at Althouse College of Education are still under discussion, but may be too late for this year due to existing programming.

A meeting with VROC (Virtual Researcher On Call) indicated a need to identify "experts". I will send out a request to London section in an upcoming email. Now VROC is targeting activities for fall release.

The opportunity at London Regional Children`s Museum was part of National Engineer Week and was to be handled by TechAlliance at their suggestion. However, on Feb 24th I got a call asking if IEEE with help from PEO could handle it. With that short time line, I have managed to get two displays set up (imaging from NRC and a solar collector). On March 31, we will present two lesson plans and NRC will have a small mobile robot for childrens to touch and have a `photo op`. I`ll take some photos and write this up for Courier #3 (June 30?)

This afternoon I met with Physics staff members at A.B.Lucas HS to discuss a multi-class design project building a roller coaster. Focus is on the design process. They are looking for mentors to help the teams and for judges for final presentations - in April and May. I will include this opportunity in an email blast to London section. If this moves forward, I will get some photos and submit a write up for Courier #3 or future one.

I have also been contacted by an itinerant teacher for the gifted. This teacher spends several days or part days with a gifted class to lead an activity. She covers about a dozen schools. I will be meeting with her to see what lesson plans can be used or how to utilize next fall. Then I'll look for a volunteer to work on this.

Calgary

Anis reported this is a busy time for teachers and students. His plans include:

- Being guest speaker to Grade 3 school class(es)
- Starting May 28 one of his summer students will work with Grade 5 students for 2 weeks
- He is trying to organize an event for Lethbridge in June.

Northern Alberta/Edmonton

Rossitza, Mooney and Musa reported

- They attended a Science Fair at U of A for student teachers in February and made contact with a number of school boards.
- They will participate in upcoming Science Fairs
- They run the Math Kangaroo contest at end of March
 - This is becoming a popular national program with lots of interest in Ottawa and Montreal.

Vancouver

Mahshid reported,

I would like to update you about our activities from time I joined the outreach program. We are following up with school to arrange meet an engineer activity after passing teachers strike and spring break. I already sent email to the responsible staff at Lord Bying high school and waiting for her respond, otherwise I will physically attend to school and reach her to finalize the activity. Also I am planning on an intensive program that is kind of summer camp for student who are admitted for special program at high school level who finish the high school in shorter period (accelerate program). This camp will introduce to this extraordinary students get ready and familiar with university and approaching to the academic programs. I will go through detail of this plan and report it to

you to get feedback and probably help. We will have meeting with Wendy McHardy in UBC in near future to organize this activity. I will keep you updated.

Kingston

Umar reported:

- TISP team has held a series of Robotic workshops
- 2 labs at robotic clubs, each week. Shahram has been very involved with these.
- Focus is on Lego “Mindstorms” programming (data tapes etc.)

9. Time for the next meeting?

Wednesday April 11, 8:00 PM

10. Varia

11. Adjournment. 9:20 PM.



IEEE Canada – TISP Committee Members 2012:

Chair, Anader Benyamin-Seeyar, **Absent from this call**
 TISP Secretary & Newsletter Co-Editor, Patrick Finnigan,
 Newsletter Co-Editor, Dirk Werle
 Treasurer, **Kaveh Moezzi**,

Sections

- Newfoundland :
- Canadian Atlantic :
- Montreal :
- Ottawa :
- Toronto :
- Hamilton :
- Kitchener/Waterloo :
- London Ontario :
- Saskatchewan :
- Calgary :
- Edmonton/Northern Canada :
- Vancouver :
- Victoria
- Winnipeg
- Peterborough
- Kingston
- Quebec
- St. Maurice
- Sherbrooke
- IEEE EAB PECC
- IEEE R7 Editorial

Section Champion(s) / Guests

Amy Hsiao / Paul King / Brian Kidney

Dirk Werle

Samir Kharaf / **Hamadou Saliah-Hassane /**
Geoffrey Alleyne / Youness Farah / Nancy Battet/ Ildiko

Janet Davis

Patrick Finnigan & **Dennis Cecic**

Dave Hepburn

Hamid / Amir Khatibzadeh

Murray MacDonald / **Maike Luikken**

Wahid Khan / Craig

Anis Haque

Rossitza S Marinova / Mooney Sherman / Musa Hassan

Zahra Ahmadian & Nina Selak / Mahshid Karimi

Amirali Baniyadi / Kelly /Alexandra

Witold Kinsner & Dario Schor / Shaahin Filizadeh

Sean Dunne / Luc Matheau

Umar Iqbal / **Shahram Yousefi**

André Morin

Adel-Omar Dahmane

Witold Kinsner ?

Jennifer Ng – IEEE MGA pre-university coordinator

Bruce van Lane