

▫ Minutes for IEEE Canada – TISP Committee Meeting

Date: Wednesday August 14th, 2013

Time: 8:00- 9:00 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

Approved.

3. Review of Minutes from June 19th telecom call

Anader went over the minutes - there were few action items to review and made the needed changes.

The questionnaire form for the Vancouver workshop – Patrick mentioned that all participants should have received the form from IEEE, but in any case, Patrick took the action to forward the Form to Rossitza and she will circulate it.

Anader thanked Alon, Chair of Vancouver, who offered to give away his own robotic machine for Pre-education programs.

Prior to the telecom call Anader has forwarded many of the past Minutes to Davy. These minutes are being uploaded onto our website to our website by Davy. Rossitza is expected to verify which Minutes are missing from the list to be forwarded to Davy as well.

For the adoption of Lesson plans by IEEE TISP's "Tryengineering " that were developed and tested in multiple TISP events by Anis and David, Anader is supposed to communicate with Yvonne and Liz for follow-ups.

After the revision of the minutes, the revised Minutes was moved to be adopted.

4. Video status from Vancouver & Seattle Workshop?

It is desirable to have the tape on the website. The request was emailed to Stephen, but he has not responded yet. Mark Isaak will follow up on this matter.

5. David's experience with introducing new Lesson plan(s)

Patrick, Anis, David put 3 plans – transformer, facing binary; electric motor - sent a year ago. Lots of hard work was made it make the lesson Plans be readable and understandable; but the work is pending the approval. There are only 114 plans for a long time. It seems one is going through; it remains the other two. Approval is needed by IEEE. They tried these lesson plans with teachers to make sure it could run. Anis suggested Anader to ask what is required for approval the lessons. It is a slow process. We need a description of the status of the lesson plans and David will send an email on this matter. Some of it stems from staff change over and website updates. Dave has to send the dates of his submission to Tryengineering as reference.

6. Contribution to TISP Canada's Newsletter (Courier # 7 + ...)

Anis and Dave have sent their summary.

Mark Isaak will have teachers corner; he will meet with couple of supervisors (Teachers) to provide feedback on workshop. They have some professional development days early in the month.

Need articles to cover the TISP activities.

Kartik expects to prepare something; major reports and activities from the regions should go there.

Anader sent about 30 copies of Courier # 4 and #5 to Dirk; if needed, Bruce can also send more copies. There were no copies made of number Courier # 6. David and Patrick will need 75-100 for STAO 2013. Bruce cannot do the paper stapling and management – otherwise he can send out as needed. Patrick offered help to get the newsletters from Bruce and ship them out. Expenses will be covered to Patrick. 200 copies are needed. We can use copies to give to teachers. Stapling won't be needed.

7. Progress on Website(s) + Distribution links.

Davy: to do final conformation and to create a link to the old web page with the new page (redirection); also link to IEEE Canada. Anader asked if others have input on using the new Website.

8. Update on STAO 2013 Conference in Ontario and other Sections

Dave and Patrick are confident that all preparation for the STAO 2013 is being done on time. David asked money for the STAO 2013 and beyond for the TISP booth at earlier in January.

9. Budget for many new activities of this year and the next!

Anader has requested a budget from IEEE Canada Board for the next year an amount of \$5000. There is money to run all activities. Sections could ask for support for their activities – send expenses to Anader.

10. Plans for National Engineering Month/Day with TISP Canada.

Winnipeg will do their Engineering week. There was a discussion on how university and high school students to get seriously involved. This matter need to do some community service and could be involved with engineering projects of TISP.

11. Review of TISP activities of all sections:

- Sections reporting and plans for the rest of the year activities

Newfoundland

No report provided.

Canadian Atlantic

Email report from Dirk Werle on Sep 10:

“Only a brief report from the Canadian Atlantic TISP Section:

1/ I received from Anader 30 copies of TISP Canada Courier #4 and #5 for distribution among the participants of the IEEE Life Member tour of Eastern Canada. During my hosting duties at the IEEE Milestone in Sydney Mines, Nova Scotia (First Transatlantic Telephone Cable, TAT-1) I made a pitch for TISP to the group and distributed the copies, which were well received.

2/ I'm working on a draft for TCC Issue #7, incorporating material contributed by Dave and Murray and Tananya, with the possible addition of a STEM education piece based on the SPECTRUM discussion and elsewhere. Reports from the regions for TCC are appreciated! ”

New Brunswick

No report provided.

Montreal

Anader hopes to pass the responsibilities for activities to Manijeh and Samir. They need few new members to help out.

Ottawa

Janet is passing work to Wolf.

Toronto

Patrick will send an email – the plans for the last quarter and the next year.

Hamilton

No report provided.

Kitchener/Waterloo

No report provided.

London Ontario

Email report on Sep 10 from Murray MacDonald for planned activities in London:

- “1) Student activity (building dams) at 5 elementary schools in Nov-Dec. in conjunction with PEO (with civil engineers)
 - 2) Planning for a fall SPARK conference with Thames Valley DSB - date TBA. I submitted a short report on the June SPARK conference to Dirk.
 - 3) Presentation at Althouse College to science teachers in the Pre-service Teacher Program has slipped to Q1 of 2014 due to hip surgery for the prof.
 - 4) Still planning for a video on electrical engineering with VROC (Virtual Researcher On Call) - getting permission for on-site videoing.
- They are planning to help with STAO again on the Friday Nov. 15th. “

Saskatchewan

No report provided.

Calgary

Anis reported on behalf of Kartik will take over the new initiatives. Kartik will send an email with more information. No new programs during the summer – schools are closed. They plan to do workshop with elementary school teachers.

Email report received from Kartik: TISP chair for the Southern Alberta region: “I'm writing to update the group about an event conducted jointly by Dr. Anis Haque's organization AASEE and TISP.

On Sep 10, Anis and I went to the Cremona School, a K-12 school in Cremona, AB. We did the IEEE Ship the Chip activity with a group of 7th graders (27 students) and then with another group of 8th graders (20 students). We spent close to about 90 minutes with each group including an introduction, the activity itself and then a discussion. I think the event went pretty well, the students seemed to enjoy themselves and we some interesting designs come out of the activity. I'm also attaching a few photographs from the event. This was my first TISP event and I learnt quite a bit from Anis.”

Edmonton/Northern Canada

Nikou from Edmonton will get more effectively involved with TISP Canada. Mooney will have more reporting to make by the September telecom call.

Vancouver

Mark Isaak will he will meet with couple of supervisors (Teachers) to provide feedback on workshop. They have some professional development days early in the month.

Victoria

No report provided.

Winnipeg

Anader reported that Winnipeg section is doing an excellent job.

Witold: They will have engineering month next year.

1. They start space camp for 10 days next week – sponsor
2. Two month ago he completed another program for aboriginal students, important for TISP; start-up project 150 students

Peterborough

No report provided.

Kingston

No report provided.

Quebec

No report provided.

St. Maurice

No report provided.

Sherbrooke

No report provided.

Seattle

- o Plans for the rest of the year activities - School Boards Liaisons

12. Action items

Anader is requesting all sections to prepare their last quarter activities for this year and for the next year plans.

No major item except submission material for the Courier 7 and the lesson plans.

Anader to make request to Yvonne and Liz, what is required for approval the lesson plans.

Manijeh asked for a copy of the TISP flyer – on the website.

Rossitza to send reminder for the report for the minutes.

Rossitza to find any missing past minutes and be submitted to Davy.

13. Time for the next meeting?

Wednesday **September 25th, 2013**, 8:00 PM.

14. Varia

1. Dirk distributed a draft of the newsletter **Courier #7** on Sep 15. He also emailed on Aug 16 regarding the distribution of the newsletters.

2. David Hepburn emailed on Aug 15 regarding the lesson plans:

“At last evening's teleconference, I was asked to try and summarize for the benefit of others, my perspective of what is required to get a draft lesson plan approved. Here's how I see it.

THE PISCATAWAY PROBLEMS:

- The organization in Piscataway is very opaque. It would help if we had an organization chart.
- Is there a flow chart of the approval process?
- Is there a back log?
- Why have we not issued any new material in two years? Was I the only one sending in new material? (As of this morning we are still at 114 lessons, where we were in November 2011).
- Liz Kurzawa has been most helpful, but even she has problems with staff who do not reply to messages. It is deeply frustrating to have material disappear without trace for three months or more.
- Is the "Editorial Board" paid staff or volunteer? From my experience, volunteers are often not very disciplined.

MY INDIVIDUAL PROBLEMS

- I have had no difficulty preparing draft text. But I am not a teacher and had trouble trying to write the "boiler plate" which sets out how a lesson fits into the national teaching standard, Eventually Liz Kurzawa did this for me.
- I have no facilities for preparing simple diagrams to a professional standard. So I fell back on the net. But then I had difficulty with whether or not a diagram was in the public domain, and if not what to do about a source citation. Eventually Liz and I worked that out between us.
- I think the local print shop here has a man who could produce quality diagrams from my hand sketches, but we would have to pay him. Do we have a budget for this? My current "Electricity for the Younger Set" has 9 small diagrams. **I will ask him.**

WHAT WE NOW NEED

1. An organization diagram for TISP in Piscataway.
2. A flow chart for approval of new material.
3. **Piscataway staff should be trained to acknowledge receipt of incoming material.**
4. Piscataway to prepare "boiler plate".
5. Some reasonable way of preparing simple but professional quality diagrams. At affordable cost

Hope this helps. Comments invited."

Anader responded that he will package it for Yvonne and Liz and see what will be the reaction.

Alon Newton from Vancouver and Seattle is willing to donate a robot they are going to scrap. They are willing to donate it to a local school or robotics interest group instead. Email from alon.newton@gmail.com.

Email from **David Hepburn from Aug 15**: "At last evening's teleconference I was asked to summarize for the minutes, where we are at w.r.t draft lesson plans.

1. Basic Electric Transformers. Liz Kurzawa now thinks she can send it to the review panel. (Maybe she already has - they don't tell us these things).
2. Basic Electricity & Magnetism. I now have about 80% of it done. I will send it to Pat and Anis for a "Peer Review" before sending it to Piscataway. **Estimated time to send to Piscataway - End September**. But (A) since much of this is my original material, there will be no diagrams on the net which I can copy. When I have sent this message I will go see the print shop who did our banners and flyers etc. to see what he would charge to tidy up my free-hand diagrams. (B) I am thinking of changing the title to "Electricity for the Younger Set". Any comments from Anis?

3. Binary for the younger Set. This is also about 80% finished and doesn't need diagrams, so should be easier. **Estimated time to send to Piscataway - End October.**

4. Basic Electric Motors and Generators. No text started yet but some notes collected. **Estimated time to send to Piscataway - February 2014.**

NEW ITEM FOR AGENDA OF NEXT MEETING.

You will recall that at the Tampa Workshop in May 2012, there was brave talk of extending TISP coverage to new areas such as Medical Electronics, Engineering Economics, Ethics and Gender Equity, etc. Has anything been done yet? Will someone please raise this. I will be on vacation from Sept 17 to October 2.”

15. **Adjournment: 9:00pm**

IEEE Canada – TISP Committee Members 2013:

Chair, Anader Benyamin-Seeyar,
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: Absentees in **red** and attendees in black font colors.

Sections

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

Section Champion(s) / Guests

Brian Kidney
Dirk Werle
Brian Scott / Esam Ghanem
Hoang Lehuy / André Morin
Adel-Omar Dahmane
Samir Kharaf / Manijeh Khataie
Janet Davis / Wolf Lunscher
Patrick Finnigan & Dennis Cecic
Dave Hepburn
Amir Khatibzaden
Murray MacDonald / Maike Luikken
Sean Dunne / Luc Matheau
Basel Nabulsi, Shahram Yousefi
Witold Kinsner & Dario Schor / Shaahin Filizadeh
Wahid Khan / Craig
Kartik Murari / Anis Haque
Rossitza S Marinova / Mooney Sherman
Steven McClain, Mark Isaak, Zahra Ahmadian
Amirali Baniyadi / Kelly / Alexandra
Bruce Van-Lane