



Agenda for IEEE Canada – TISP Committee Meeting

Date: Monday May 30th, 2011

Time: 8:00- 9:15 PM

Teleconference call #:

1-866-512-0904

access code: 8514573#

1. Roll Call of Participants

See annotated list at end of report.

2. Adoption of Agenda

Adopted as circulated

3. Review of Minutes from our last telecom call?

To be re-circulated for approval.

4. Report from the TISP Canada 2011 Workshop in Mississauga

- Jennifer has a PICASA link to about 60 photographs
 - More can be added (send them to Jennifer)
 - They can be linked and / or copied on the *tispcanada* site
- A workshop report is available and has been circulated
- Anader – Pat will send a summary with pictures to the IEEE Canada Newsletter
- Final attendee spreadsheet attached to these minutes for participant contact information (i.e. email addresses)

5. Review the list of all active volunteers as old and new participating TISP Canada members

- Witold will provide the name of the Winnipeg TISP coordinator

- Anader and Witold will work together on getting a rep. from Sherbrooke (far from Montreal)

6. LinkedIn Group meetings for IEEE Canada TISP Group – build on TISP Montreal group

- No real advantage seen – although it could be used for more interactive meeting of sub-committees.
- Jennifer and Younnis to form a sub-committee to update the tispcanada website to follow IEEE website guidelines (branding, etc.). They will also add links to group meeting facilities and section web-pages for easy upload of TISP photos and meeting notices and reports.
- Jennifer and Pat tried a “Gmail Video conference” – this seems promising.

7. Status of Science Teacher’s Association of Ontario (STAO2011) plans?

- Dave Hepburn reported all money was collected for booth fee
- Booth will be in same location on conference floor – a good one with plenty of exposure
- IEEE TISP banner for booth has been ordered.
- IEEE TISP will also present to Science Consultants Association of Ontario (SCAO), meeting at the same time.
- Proposal for “Working with Wind Energy” workshop accepted and time-slot allocated (11:30 Friday of November 11th at STAO conference).

8. Review of all Sections TISP activities:

- **Teaming with school boards and promotional activities**
- **Plans for year 2011 activities.**

Calgary

- Anis was unable to attend, but he reported that after the ITISP Workshop in Mississauga, he has done four school programs. In these programs he along with his student volunteers went directly to classrooms and worked with the kids. The programs were great and the students and teachers all liked it. Thanks Anis.

Montreal

- Nancy Battet reported the team is working toward a fall workshop to excite students about Science & Engineering.
- Geoffrey Alleyne assisted Nancy in a recent 2 day event at the airport in St. Lazarre.

Nancy is the primary contact to the association of Science Consultants in Quebec - TISP should make a presentation to them whenever they meet.

Winnipeg

- Witold has been in contact with Science Teachers Association of Manitoba
- Winnipeg Section participates in a major August workshop for Science and Math consultants and teachers.
- IEEE Winnipeg section has a good relationship with schools and teachers, including a long-standing program of mentorship for school teachers.
- IEEE Winnipeg TISP has made 6 presentations to schools, with 7 more planned over the summer.
- July 17-24 is the 5-years running Space Camp
 - Held at UofM campus
- Financial support from 20 companies. (R7 TISP can provide funding if needed). Witold will be in touch about this.
- Satellite Design Challenge is another major outreach program
- Witold will present in St. John's at the Canadian Engineering Education Workshop.

Canadian Atlantic

- Dirk has met with teachers in 2 schools

- Teachers will use the packages obtained in Fall classes
- TISP team will present at upcoming Teachers Conference.

Ottawa

- Janet is working with Museum of Science & Technology on their “Teachers Institute”
 - 30 teachers this summer
 - Plan for 100 next year
 - 2 days in July at the Science & Technology Museum
- In October they will present at local school board Teacher PD days
 - Lynn Bowlby will be providing material support.

Edmonton/Northern Canada

- Mooney reported Shawna will attend the Section Congress in California
 - Doug Gorham will present a TISP session there
 - Shawna will provide experience report of Edmonton activities
- Mooney has been involved in Science Fair activities
- <<Report to be attached later>>

Hamilton

- David will lead a discussion at IEEE Hamilton Executive meeting June 7
 - Need to identify more TISP volunteers
- David will attend the bi-Annual Life Members meeting
 - Hope to recruit 2 more volunteers who have expressed interest

- David feels we need a sub-group to map lessons to curricula (provincially). We will review the following bullets with Dave at our telecom call on June 29th:
 - Presumably all existing syllabuses for the 15 jurisdictions are available on the net
 - I suggest we try and set up a small committee, say 5 IEEE people and 5 Science Teachers.
 - They could work by teleconference just as TISP does. Maybe meet across a table once a year
 - As a first step, they could be asked to skim quickly through the main points to see if there are any glaring problems
 - Then circle back to smooth out all remaining problems - if any.
- Nancy Battet indicated the best way to do this is to meet with the Science Consultants (who can identify right away which grade a tryengineering lesson could be targeted to, and meet the curriculum).
- David and Pat will attempt to do this for Ontario when we meet the SCAO (all the Ontario consultants) at the STAO conference in November. We can start doing this by contacting Sean Hanna - sean.hanna@dsbn.edu.on.ca (Niagara) and Rick Pardo - r.pardo@tvdsb.on.ca (London)
- All agreed this was an important activity.
 - To be reviewed again at June 29 meeting.

Saskatchewan

Wahid's report to Anader the following :

- TISP team attended a Robotics Workshop for 3 hrs. with 6 schools and 45 students
- They are looking for North Saskatchewan volunteers - Dan Neilson (ddneilson@ieee.org) is a good contact to start with.

Vancouver

- Nina indicated the TISP team will be attending the ASTE conference for Engineering Educators (June 26 - St. John's)
- The team attended a Science Teachers workshop and were able to present one of the lessons in demonstration mode - not hands on.

Victoria

- Kelly reported they had presented to Grade 8 Science classes.
- They are trying to involve more IEEE Victoria Section volunteers and UVic faculty (Dr. Alexandra Branzan-Abu) who have done outreach to schools with Computer Vision experiments.

London

Murray reported:

Five opportunities being worked on:

- 1) Thames Valley DSB - planning for Gr 9-12 environmental design project for fall 2011 - looking for design process mentors, subject matter experts, and judges
- 2) Thames Valley DSB - writing team to expand Sector project - looking for input at July 4-7 meetings
 - a) 21st Century Home Video-microscope - design and build, examine its performance and make one aspect perform better.
 - b) Pond Life - effect of substances and mixtures on pond organisms,
 - design a filter system to remove specific polluting substances and mixtures,
 - design an environment that promotes the growth of a particular organism (water flea farming)
 - c) Assistive Devices - for someone who has reduced senses or function, design a device to support, replace or mimic the missing function.
 - incorporate hydraulics and pneumatics
 - possible alternative: enhanced function devices - six million dollar man - exo-skeleton
- 3) Thames Valley DSB - looking for volunteers for secondary projects as mentors for robotics competition - FIRST

- perhaps try Toronto (Dennis Cecic?) workshop

4) Lambton-Kent DSB - presentation/workshop to PD day in fall - to be scheduled

5) UWO - Althouse College - establishing contact with view to doing workshops for teachers in training in fall

- Generally we need to recruit more volunteers to support these. Newsletter solicitation planned for June.

Peterborough

- Sean reported on potential collaboration with the local PEO chapter.
 - He will touch base again with them in 2 weeks
- Sean and the TISP team will use the list of all teachers from their recent Engineering Week/ Engineering Challenge event in order to make grass-roots contacts to promote TISP activities

Other Activities

- Jennifer Ng ran 2 hands-on workshops as part of the IEEE MGA TISP Workshop in Hyderabad
 - 150 participants
 - Excellent results
- Next workshop scheduled for Kerala - 100 participants June 28
- IEEE India has 6,000 student members
- There is a big shift among students from IT to Engineering

9. Time for the next meeting?

June 29th, 8:00 PM

10. Varia

11. Adjournment.

At 9:15 PM



IEEE Canada – TISP Committee Members 2011:

Chair, Anader Benyamin-Seeyar, **Not attending this meeting**
 Secretary, Patrick Finnigan, **Not attending – sent regrets/report**
 Treasurer, **Kaveh Moezzi**,

Sections

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

Section Champion(s) / Guests

Brian Kidney
 Dirk Werle
Hamadou Saliah-Hassane / Geoffrey Alleyne, Nancy Battet
 Janet Davis / **Sreeraman Rajan**, Jennifer Ng
 Patrick Finnigan / **Dennis Cecic**
 Dave Hepburn
Hamid / Amir Khatibzadeh
 Murray MacDonald / **Maike Luiken**
Wahid Khan
 Anis Haque
Rossitza S Marinova / Mooney Sherman
Kouros Goodarzi, Ljiljana Trajkovic, Nina Selak, Zahra Ahmadian
David Gregson, Kelly Manning
Amir Khatibzadeh ?
 Witold Kinsner / **Shaahin Filizadeh**
 Sean Dunne
 Shahram Yousefi
André Morin ?
Adel-Omar Dahmane ?
Jeremy Gates ?