

IEEE Winnipeg Section Meeting Minutes – December 9, 2011

University of Manitoba Engineering Information Technology Complex (EITC) - E2 - 361, Winnipeg, Manitoba, Canada, 5:30 PM

Attendance: Sam Kovnats, Evan Thompson, Puyan Mojabi, Mohammad Shaifieipour, Sherif Sherif, Blake Podaima, Rasit Eskiciglu, Shaahin Filizadeh, Nariman Sepehri, Witold Kinsner, Hilmi Turanli, Majid Ostadrahimi, Dario Schor, Steven Howell

CALLED TO ORDER

1. Approve agenda (Sam/Majid) – Carried
 - a. Add Review of Investment Accounts
2. Approval of the Minutes of the November 4, 2011 meeting (Hilmi/Dario) – Carried
 - a. Under 3.a.i add Dr. Witold Kinsner to nomination committee.
3. Chair Report
 - a. The joint event between IEEE/ECE for Prof. Lot Shafai was held on Dec. 6, 2011. The event was well attended (approx. 45-50 people) and came under budget.
 - b. Lakehead University has delayed their event proposal from the student branch until the new year.
 - c. Nominations for 2012 IEEE Executive
 - i. Majid Ostradrahimi and Andrew Roncin will not run.
 - ii. The Nominations Committee has approached people for the positions of Chair, Vice-Chair, and Treasurer.
 - iii. Each candidate will provide a (i) position statement, (ii) vision statement, (iii) biography, and (iv) picture to distribute to the members prior to the AGM.
 - iv. The Committee is looking for candidates that will be able to continue in those positions for more than one year to ensure continuity from year to year.
 - v. People may still be nominated at the AGM.
4. Treasurer Report
 - a. Approval of Financial Report, see attached (Dario/Sam) – Carried.
 - b. Dr. Witold Kinsner asked that Dr. Chan be approached to audit the finances prior to the AGM.
 - c. EPEC 2011
 - i. Hilmi Turanli is currently filling out the GST reimbursement form.
 - ii. There are two sponsorships still outstanding.
 - iii. Excess of \$50,000 in profit (on top of seed money) that will be split between the IEEE Winnipeg Section and IEEE Canada.
5. Review of Investment Accounts
 - a. Committee looked into other organizations (i.e., APEGM, IEEE Canada, Manitoba Hydro Super Annuation)
 - b. We currently have a very low interest (approx. 0.39%) because we are using no penalty accounts

- c. 1 year guarantee investments are around 1.95%, but we need at least 2-3% to keep up with inflation and the scholarship fund. Thus, a 2-3 year lock may be required.
 - d. Higher return options may be investigated through IEEE to avoid losing money every year.
 - e. Recommendation to divide money into 3 and invest it with a 5, 3, and 1 year lock, such that different funds mature every second year.
6. Secretary Report – TABLED
7. Membership Development Report – TABLED
8. Reports
- a. Computer and Computational Intelligence
 - i. November 1, 2011, Radio Course Session 6: Active Components & Amplifiers (W. Kinsner)
 - ii. November 14, 2011, Mark Talesnik, Technion; Developing the Global Engineer
 - iii. November 15, 2011, Radio Course Session 7: Mod-TxRx-Station-Safety (W. Kinsner)
 - iv. November 18, 2011, Radio Course Session 8: Course Review 1 (W. Kinsner)
 - v. November 25, 2011, Radio Course Session 9: Course Review 2 (W. Kinsner)
 - vi. December 2, 2011, Radio Course Session 10: Exam (W. Kinsner)
 - b. EMBS
 - i. November 23, 2011, Barry Kimberly, ENT and Sleep Associates; Non-Linearity in Auditory Perception
 - ii. Event planned for next week.
 - c. PES
 - i. PES Luncheon - November 15, 2011, Tony Weekes; MB Hydro Experiences with SynchroPhasor Implementations (28 attendees).
 - ii. PES Luncheon - December 13, 2011, Anil Kulkarni; Real-Life Observations of Power System Dynamic Phenomena: Some Interesting Aspects.
 - iii. Executive changeover scheduled for January.
 - d. Robotics and Control
 - i. Crimestoppers approached chapter to build a mascot. The chapter will build 3 robots - 1 for Crimestoppers and 2 for the UofM Robotics Society.
 - ii. Iranian University contacted chapter to setup a joint Mechatronics Conference.
 - 1. Asked for technical help with papers
 - 2. Will likely send 1 keynote speaker
 - e. Waves
 - i. November 29, 2011, C.J. Reddy, EM Software & Systems; Antenna Design Considerations for 4G/LTE Mobile Applications.
 - ii. December 6, 2011, Maria Pour, UofM; Investigation of Parabolic Reflector Antennas as Single and Multi-Phase Centre Virtual Antennas.

- iii. December 7, 2011, Abdelhalim Mohamed, UofM; Performance Enhancement of Ultra Wideband Antennas for Communication and Microwave Imaging Applications.
- f. TISP
- i. A number of presentations were delivered to high school students. As the University Advisor to the Satellite Design Challenge (T-Sat) project at the University of Manitoba, I would like to report that we now have 97 registered students and 50 advisors. Under the T-Sat leadership of Dario Schor, the following outreach events occurred since October 26:
 1. October 28, 2011 - SHARP2 Balloon Tracking
 - a. University of Manitoba Space Applications & Technology Society (UMSATS) members and University of Manitoba Amateur Radio Society (UMARS) members assisted in a high altitude weather balloon experiment design by grade 9-12 students at Shaftesbury High School. University of Manitoba (UofM) students tracked the experiment from the UofM satellite ground station, and provided the collected data to the high school students for analysis of the balloon trajectory. The experiment served a dual purpose of promoting UMSATS internally within the university by inviting students in Science and Engineering to see live demonstrations of the ground station.
 2. November 2, 2011 - Take Our Kids to Work Day
 - a. UMSATS members simulated a near-earth payload by driving around the city with a payload and emitting coordinates over amateur radio. Then, grade 9 students tracked the balloon from the Satellite Ground Station and simulated a chase vehicle by tracking the trajectory of the balloon by hand.
 3. November 17, 2011 - Canadian Manufacturers and Exporters
 - a. Discovery Program Mentor Session #2 - Two representatives from UMSATS met with high schools students designing a hovercraft to talk about designs, testing and material selections. The students served as mentors for the high school students by asking questions about the design, prompting the thinking behind their ideas, and suggesting improvements to their designs.
 - ii. Four papers on T-Sat project were presented by the team members at the Canadian Space Summit, Calgary, AB; November 23-25, 2011.
 - iii. Space Camp is being planned for July 15 to 21, 2012.
 - iv. The Canadian Engineering Education Association (CEEA) Annual Conference is planned for Winnipeg, June 3 to 6, 2012. D. Ruth is the Conference Chair, and W. Kinsner is the Program Chair.
 - v. Dario Schor has become a member of the IEEE Winnipeg Section TISP Team

- g. UMIEEE
 - i. November 4, 2011 - Advanced Embedded Systems Workshop using MSP430. Sold out group of 20 high school, undergraduate, and graduate students.
 - ii. Received funding from IEEE Canadian Foundation for laboratory upgrades.
- h. Old Business
 - i. Computer Science Department Funding Request
 - 1. Request for \$4,500 (not seed money)
 - 2. Funding requested is equivalent to a full year's budget without much justification.
 - 3. Linked to Robotics and Computational Intelligence but there is no link to those chapters.
 - 4. At previous meetings, they were asked how this is linked to IEEE Wpg. Section. The response was that they would invite high school students and teachers. This is not a sufficient link to IEEE.
 - 5. MOTION - "To provide \$4,500 for the CIS Humanoid Robotics Winter School" (Rasit/Evan) - Defeated
 - ii. AGM 2012
 - 1. Andrew is planning the AGM.
 - 2. Scheduled for January 13, 2011 at 6pm at the Winnipeg Technical College. New
- i. Adjournment (Kinsner/Sam) – Carried.

Minutes recorded by Dario Schor in the absence of Jordan Hiebert