



2007 Chair' Section Report

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Celebrating 25 Years of Continuous Active
Participation in IEEE Activities, Events, and Forums.

PART A –

A.1 Executive Summary –

The last 12 months have been a great success due to collective efforts by volunteers in the IEEE Victorian section executive committee, Chapters, Women in Engineering (WIE), Graduates of the last Decade (GOLD) and Student branches. There were 50+ events successfully ran across the section chapters in addition to other activities such as Chair visits to University and Industry functions. The section has continued its support for conference bids in the state of Victoria and support for competitions ran in University departments to raise the profile of the IEEE in Engineering and other Technological advancements. A good number of our members are involved in IEEE conferences; journal and magazine paper reviews and many are continuing to be on conference organizing committees whereas others are volunteering to be technical session chairs. There is a continuing united front to foster the membership recruitment drive from new graduates and practicing professionals who may not be aware of the IEEE activities in the state and at an International level.

A.2 Financial Report –

The following is a consolidated financial statement for the Year 2007:

	Cash Amounts	Accrued Amounts	Total Cash Amounts
1.Program Revenue			
Conference	5,951.31	----- ----	5,951.31
Student Activities	344.00	----- ----	344.00
Total Revenue	6,295.31	----- ----	6,295.31
2.Other Receipts			
Rebate from HQ	22,062.47	----- ----	22,062.47
HQ & societies	232.68	----- ----	232.68
Interest	9,723.44	----- ----	9,723.44
Other	1,564.61	----- ----	1,564.61
Total Other Receipts	33,583.20	----- ----	33,583.20
3.Program Expenses			
Meetings & Events	7,358.63	----- ----	7,358.63
Conference	8,559.42	----- ----	8,559.42
Student activities	737.22	----- ----	737.22
Grants & Awards	2,030.00	----- ----	2,030.00
Total Prog Exp	18,685.27	----- ----	18,685.27

4.Management Expense				
Travel	1,677.68		-----	1,677.68
Support to Regions	18,533.00		-----	18,533.00
Other	1,193.96		-----	1,193.96
Total Management	21,404.64		-----	21,404.64
5.Receipts				
Cash rcv Account receivable	10,400.00		-----	10,400.00
Total receipts	10,400.00		-----	10,400.00
6.Disbursements				
Cash paid on Accounts	2,400.00		-----	2,400.00
Total Disbursements	2,400.00		-----	2,400.00
Cash on Hand at Beginning (2007)	152,779.37			152,779.37
Cash on Hand at End (2007)	160,567.97			160,567.97

PART B - ORGANIZATIONAL ACTIVITIES

B.1 Membership Development Programs

- The Membership Development Program is an excellent and new initiative. We are starting to improve on earlier approaches of encouraging members to participate in executive committee activities so as to enhance their chances of becoming future holders of positions on the committee. Members who have already held executive positions are encouraged to apply for positions on the Australia Council committee and where possible encourage running for positions at the R10 Executive committee. We have supported and will continue to support student chapter chairs to participate in R10 organised activities such as the annual student congress recently held in Chennai. We keep encouraging members to enter paper competitions, apply for project initiative sponsorships and also attend lectures and presentations by internationally renowned experts. From now onwards, rather than expect members to get information from our website, a personal email will be sent to every member to alert them and impel activities of interest and encourage participation.
- **Affinity Group activities**

The Women in engineering (WIE) group is one of the most successful of the Affinity groups in our section. In March of 2007, this group was awarded an Honorary Mention of

being one of the best WIE groups' world wide. 2007 was a very busy year for the group where the following events and activities were successfully organized:

- 10/01/07 Visit by Region 10 Director Professor Janina Mazierska
- 09/03/07 WIE – group of the year competition; “Leadership and Career growth” (Talk)
- 08/05/07 Outreach Efforts for High School girls and IT students – Victoria University
- 11/05/07 ACS Expo at Victoria University
- 18/05/07 Victoria University School of Information (Talk)
- 23/05/07 Alcatel-Lucent collaboration with Victoria University (Talk)
- 28/08/07 “Women and change in the Profession” (Talk by Professor Judith Bessant)
- 19/09/07 Outreach program – RMIT University

The Graduate of the Last Decade (GOLD) Affinity group is undergoing reformation and regrouping.

B.2 Professional and Continuing Education Activities

Every seminar, lecture and professional presentation is deemed as an education activity. Specific areas of professional development are highlighted in Chapter-society and Affinity group activities in B.6.

B.3 Recognized Educational Programs

- We do not have specific educational programs that we run in this section. However this new idea will be discussed at the next meeting.

B.4 Students Activities

- Active Student Branch activities including student paper contest, recruitment of student members
RMIT University student branch is among the most active branches in the section. The following are the activities to-date:
 - Matlab work shop (recruitment drive)
 - Semi conference; “How to apply for a postgraduate scholarship”
 - RMIT WIE in conjunction; Synchrotron seminar
 - Postgraduate paper competition (recruitment drive)
 - RMIT WIE in conjunction; Social get together (recruitment drive)
 - Hosting the 4 IEEE Victorian section meetings
 - Chapter chair attendance at student congress in Chennai

The University of Melbourne student branch had the following activities;

- Connectivity for refugees (CFR), help with basic computer applications (4 months)
- Engineers without borders (EWB) Talk and social (recruitment drive)
- Matlab demonstration
- Open booth at University Open day (recruitment drive)
- Visit to 10 underprivileged schools – Talk on Careers for women in Engineering
- Organise IEEE information booth at Endeavour project presentations (recruitment)
- Hosting the 4 IEEE Victorian section meetings

B.5 Awards

- The Section pledges three awards to the following University activities: RMIT Post graduate paper competition, The University of Melbourne Endeavour final Year Engineering student projects, La Trobe University Hooper Memorial student projects and Monash University final year engineering projects. These awards will be maintained and may be extended to another two Universities in Melbourne where we hope to start up student branches this Year. In addition, there is a proposal to include all Universities in Tasmania in an attempt to attract more student members to join the subsection under formation in the state.
- The best section most valued volunteer award was issued to our past Chair Enn Vinnal

B.6 Chapter Activities

- **The Lasers and Electro optics/Electron Devices Society (LEOS/EDS)**
 - 12/02/07 Optimal Network Design
 - 22/03/07 WAN – in - lab
 - 27/03/07 Shape recovery and recognition from single shaded views
 - 09/05/07 A Green Internet
 - 27/06/07 Applications of Optical resonance to Biological Sensing and Imaging
- **The Engineering Management society (EMS)**
 - 27/02/07 what worked and what did not?
 - 12/04/07 Leadership in action
 - 19/04/07 The role of Academy in Australia scene
 - 19/06/07 Decision making in conditions of uncertainty
- **The Communications society (CommSoc)**
 - 09/05/07 Internet 3.0: Ten problems with current Internet
 - 22/05/07 Gigabit Wireless systems in millimeter wave frequencies
- **The Circuits and Systems society (CSS)**
 - Exploding capacitors and equivalent circuits
- **The Microwave Theory and Techniques/ Antenna and Propagation Society (MTTS/AP)**
 - 21/02/07 Negative refractive index material
 - 15/11/07 Terahertz Technology in Outer and Inner space

- **The Power Engineering Society (PES)**
 - 17/09/07 Energy Efficiency – Profit and Climate Change
- **The Engineering in Medicine and Biology Society (EMBS)**
 - 04/07/07 Tran cranial magnetic stimulation in the treatment of Neuropsychiatry disorders
 - In conjunction with RMIT University – December workshop RF Effects.
- **The Electromagnetic Compatibility Society (EMC)**
 - Networks of individual
 - Professional development
 - Working group
 - Training
 - Awards
 - Standards
 - Representation
 - Public Information
- **The Computer Society**
 - 09/05/07 Building a machine with visual thinking capabilities
 - 13/07/07 Compression and transfer of spectral images
- **The Computational Intelligence Society (CIS)**
 - 29/03/07 Non-linear-system identification using structured Kernel techniques

B.7 E-mail and Newsletter Activities, Home Page

Home page: www.ieeevic.org

Mail Address: IEEEVictorian section
GPO Box 3078, Melbourne VIC 3001
Australia

Executive Committee list with email contacts:

Dr. Horace KING - Chairman, Victorian Section
Email: horace1@ieee.org

Paul Kubik - Vice Chairman and Secretary, Victorian Section
Email: paul.kubik@team.telstra.com

Tony Gascoigne - Treasurer, Victorian Section
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Chapter Officers

Greg Adamson - Society for Social Implications Of Technology Chapter Chair
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Dr. Irena Atov - Women-in-Engineering Affinity Group Chair
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Dr. Iouri Belski - Education Society Chapter Chair
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Dr. Robin P. Lisner - Power Engineering Society Chapter Chair
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Dr. Kamran Ghorbani - Antennas & Propagation / Microwave Theory & Techniques Societies Chapter Chair
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Craig Skinner - Communications Society Chapter Chair
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Mr Robert Slaviero - Signal Processing Society Chapter Chair
Email: r.slaviero@ieee.org

Dr. Alan Harvey - Circuits and Systems Chapter Chair
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Other Officers including Student Branch Officers

Fleur Stephens - RMIT Student Branch Chair
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Wai Chee Yau - RMIT Women-in-engineering Student Affinity Group Chair
Email: waichee@ieee.org

Vacant - GOLD Affinity Group
Email:

Vacant - Monash University Student Branch Chair
Email:

Vacant - The University of Melbourne Student Branch Chair
Email:

Vacant - The University of Melbourne Women-in-Engineering Student Affinity Group
Chair
Email:

Other Executive Officers

Prof Laurie W. Cahill - Nominations and Appointments

Email: L.Cahill@latrobe.edu.au

Dylan Radcliffe - Immediate Past Chairman, Victorian Section

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Enn Vinnal - Member at Large

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Dr. Nemai Karmakar - Member at Large

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- At the present time, we do not have a Newsletter specifically tailored for our section; we have in the past and still provide articles for the Region 10 Newsletter. However, we are in the process of starting a bimonthly publication of News, Events and Activities to all our active members. This publication is going to be known as the IEEE Victorian section Uplink.

PART C - OTHERS

● C.1 Relationship with National Societies

IEEE Victorian section has a professional relationship with the Institution of Engineers Australia. In addition a good number of our active members are also active members of the Institution of Engineers Australia. From time-to-time invitations are sent out to our Members to attend seminars, talks and training courses at the Institution.

● C.2 Special Events

This Year marks a 25 Year Milestone of continual participation in IEEE activities, events and forums in this state. Preparations are being made to celebrate this milestone. Updates will be made via general email send outs and website postings.

- **C.3 Problems to be Anticipated**

The timing of recruitment drives in Universities is never easy! Most of our executive committee members are full time employees and may be limited in how many activities they can participate in a calendar month. Student branch chairs are highly limited in extracurricular activities by their academic obligations

PART D - GOALS AND PLANS

- **D.1** The section will continue to support all active societies, affinity groups and student chapters in order to maintain the current members and ultimately increase these numbers. We will give assistance, by organizing social events, recruitment drives and professional seminars, to currently struggling affinity groups and student chapters in an attempt to retain members and attract many more.
- **D.2** The section's main objective is to increase the number of active members. We will strive to encourage non-members to join our section by arraying our achievements, the benefits and the advantages of IEEE membership. We will strive to keep our members informed of all the activities planned for the future. We will encourage member participation in improving and modernizing our section by sharing information and new ideas. We are optimistic that we can double our membership number by 2015.