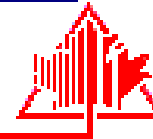




IEEE Toronto Section

serving members and the community since 1903



EXCERPT

“Highlights of the Year” Section Chair Report

by Chair Dr. Alexei Botchkarev (Alex Bot)

October 24, 2009



IEEE

Celebrating 125 Years
of Engineering the Future

Section Strategic Activities

dedicated to the IEEE 125th Anniversary



Celebrating 125 Years
of Engineering the Future

- IEEE Toronto International Conference:
Science and Technology for Humanity™
IEEE TIC-STH 2009
- External Cardiac Pacemaker Milestone
- Senior Membership Campaign
- Organizational Improvements – Adding Value
to Local Services to Members



IEEE Toronto International Conference: Science and Technology for Humanity *IEEE TIC-STH 2009*

www.tic-sth2009.org

- Organized for the first time by IEEE Toronto Section
- Full-Paper Peer Review
- The conference attracted 360 papers out of which 186 papers were accepted (~**50% acceptance rate**)
- Proceedings in the IEEE Xplore
- Covered advanced interdisciplinary areas across a broad spectrum of the IEEE fields of interest



IEEE Toronto International Conference: Science and Technology for Humanity *IEEE TIC-STH 2009*

www.tic-sth2009.org

- Humanitarian aspect of the conference
- The first IEEE “**T**ruly **I**ntegrated **C**onference” – used web conferencing to provide for seamless integration of the On-Site and On-Line participation
- Solid financial results – preliminary surplus is around **\$35K**



Geography of Authors by Region

Authors from 29 countries



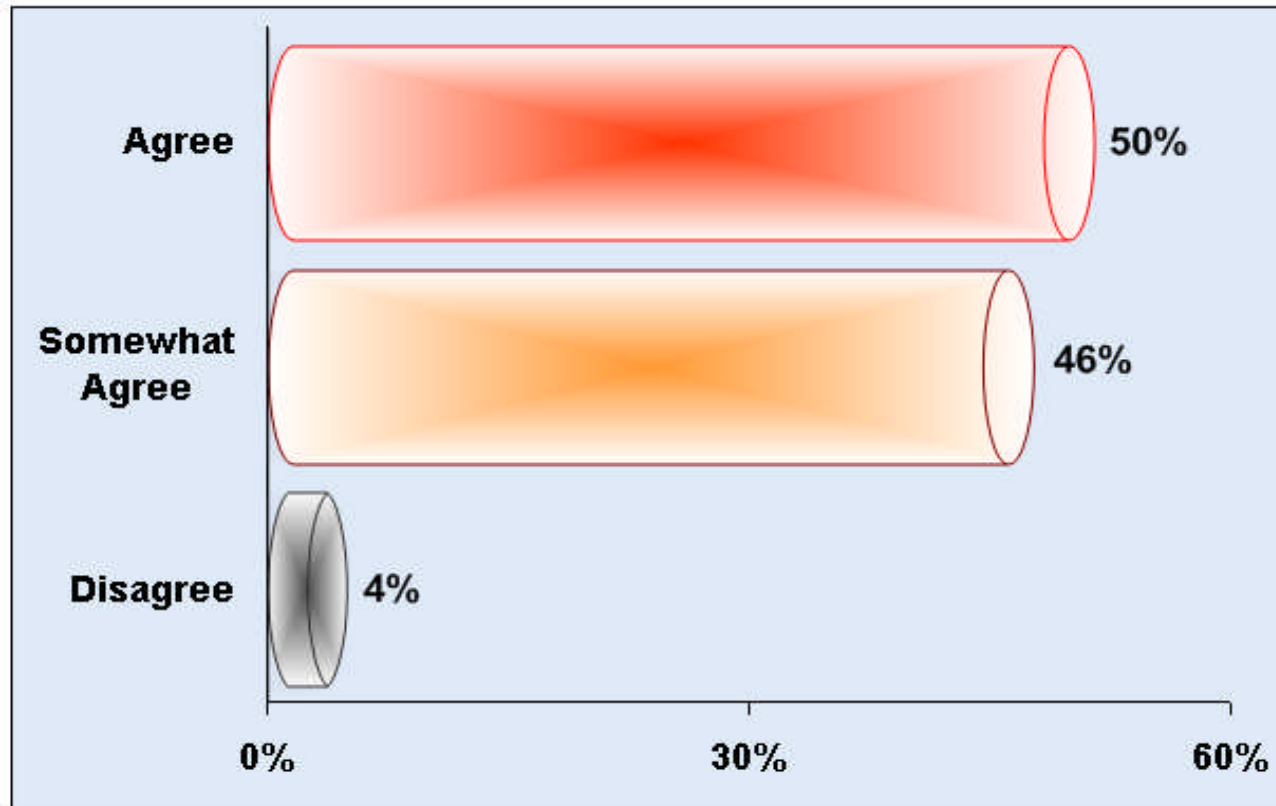
Public Visibility Impact – Conference Website Visits

Over 15,000 visits came from 152 countries (2,057 cities)
in the "New Visitors" segment



IEEE TIC-STH 2009 - Post-Conference Survey Results

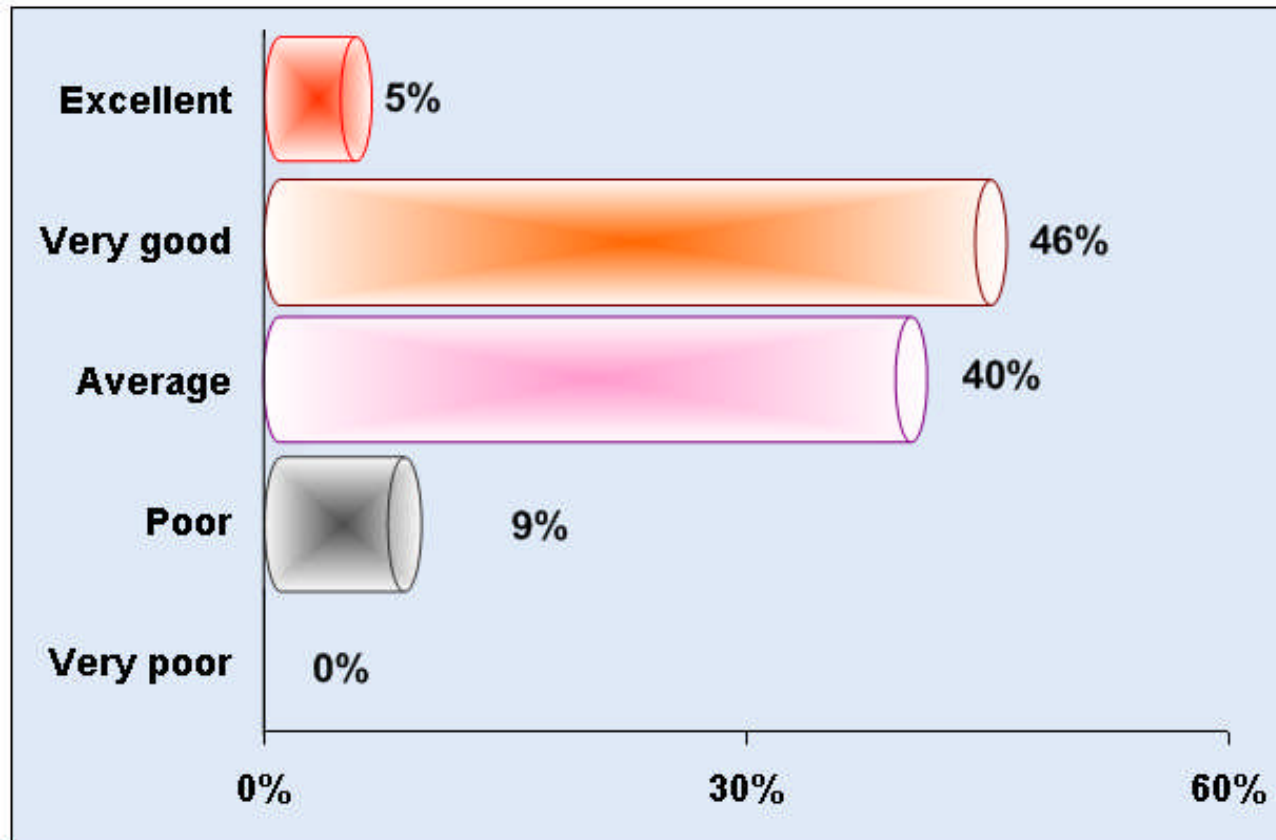
Did the conference fulfill your reason for attending?



164 authors were invited to participate in the survey. 80 responded (~50% response rate)

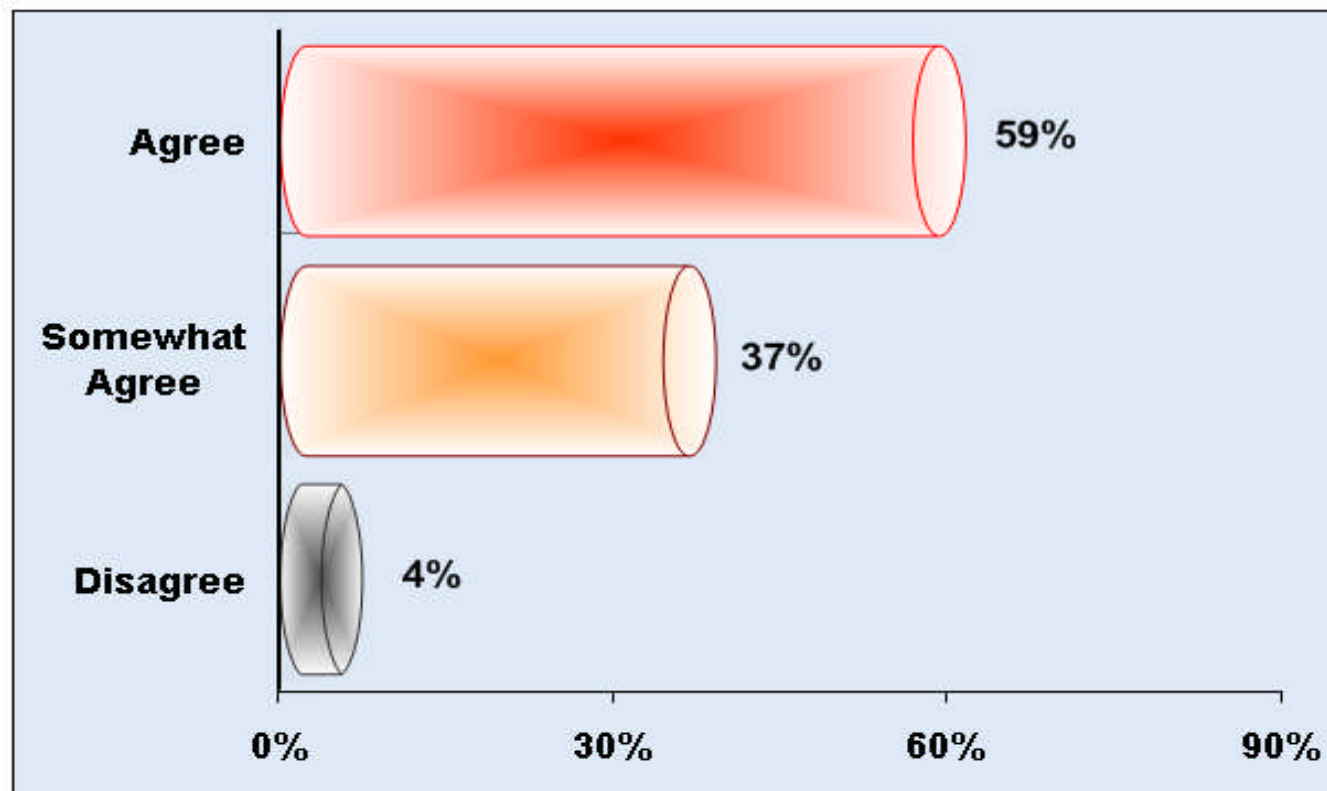
IEEE TIC-STH 2009 - Post-Conference Survey Results

How would you rate this conference compared to other conferences of this type that you have attended?



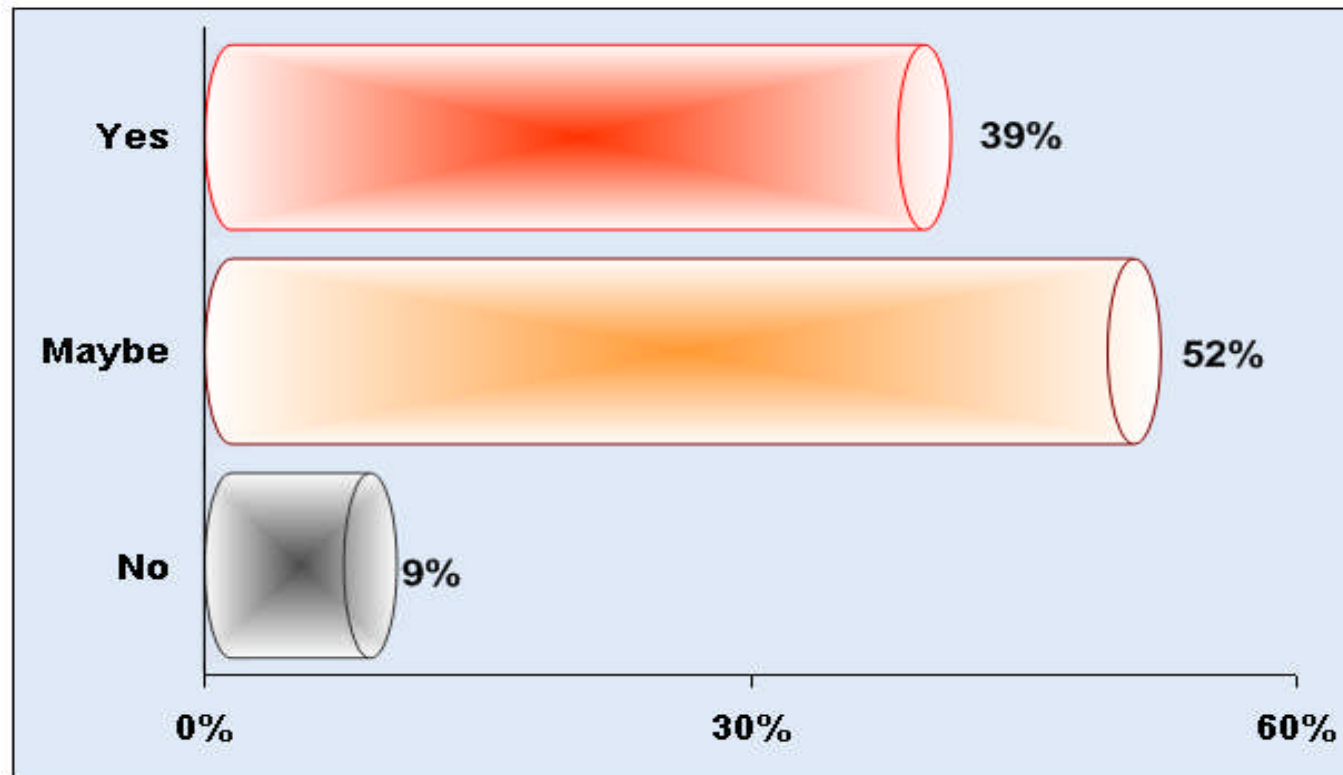
IEEE TIC-STH 2009 - Post-Conference Survey Results

OVERALL -- The conference was well organized



IEEE TIC-STH 2009 - Post-Conference Survey Results

Would you attend this conference again next year (or in 2011)?



Overall the First Toronto Section Conference

IEEE TIC-STH 2009 turned out to be
a huge success story from all perspectives:

- Technical
- Organizational
- Financial
- Customer Satisfaction

IEEE Milestone - External Cardiac Pacemaker

- New approach to celebrations – not limited to a Plaque dedication
- A year-long process packed with activities
- Starting point – AGM 2008 – invited speaker from a cardiac pacemaker industry leader
- Plaque Dedication ceremony – September 26, 2009
- Special Session at IEEE TIC-STH 2009: History and Advances in Cardiac Pacemaker Technology
- Final point - presentation at the AGM 2009

UNIVERSITY OF TORONTO
CHARLES H. BEST
INSTITUTE

IEEE MILESTONE IN ELECTRICAL ENGINEERING
AND COMPUTING

FIRST EXTERNAL CARDIAC PACEMAKER, 1950

In 1950, in Room 64 of the Banting Institute at the University of Toronto, Drs. Wilfred Bigelow and John Callaghan successfully paced the heart of a dog using an external electronic pacemaker-defibrillator having implanted electrodes. The device was developed by Dr. John Hopps at the National Research Council of Canada. This pioneering work led to the use of cardiac pacemakers in humans and helped establish the importance of electronic devices in medicine.

September 2009



INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

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September 2009
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Senior Membership Campaign

- Building on the success of the 2008 campaign
 - 46 Toronto Section members were elevated at the May's and June's 2008 A&A sessions
 - Over 50 members were elevated to SM level in 2008
- Two-step process
 - Identifying potential SM candidates in technical chapters.
 - “On-the-Spot” SM elevation event (two evenings).
- 2009 campaign brought in over **100** applications

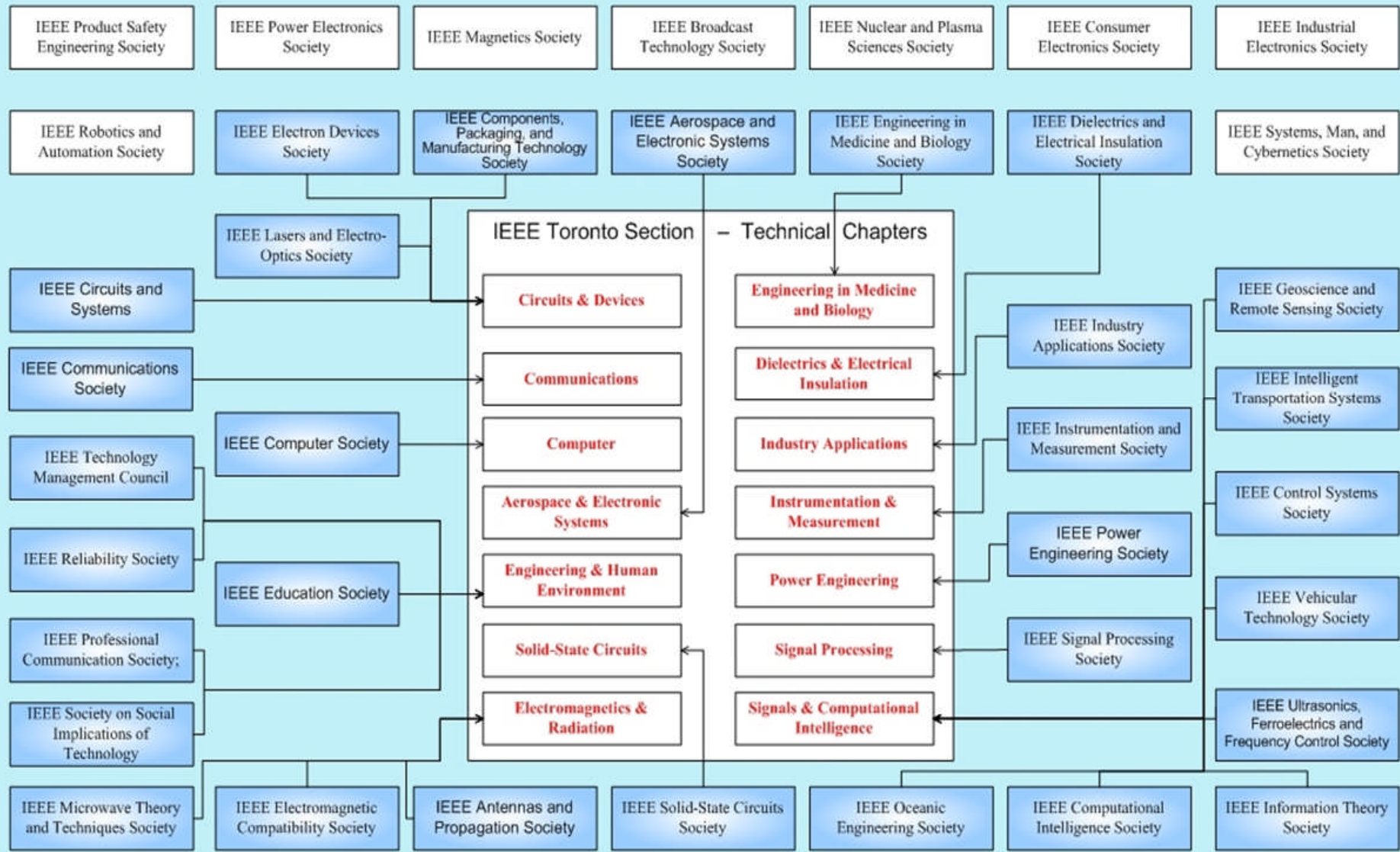
Section Organizational Improvements

- Adding Value to Local Services to Members

- **Moving towards the goal - complete coverage of the IEEE technical areas**
- **New chapter has been formed:**
 - **IEEE Nuclear and Plasma Sciences Society.**
- **Communications Chapter includes:**
 - IEEE Broadcast Technology Society.**
- **Instrumentation and Measurement Chapter includes:**
 - IEEE Systems, Man, and Cybernetics Society**
 - IEEE Robotics and Automation Society.**
- **Industry Applications Chapter includes:**
 - IEEE Power Electronics Society**
 - IEEE Consumer Electronics Society.**
- **Petition to form IEEE Magnetics Society Chapter has been submitted**

IEEE Toronto Section – Technical Chapters

January 2008



Legend:

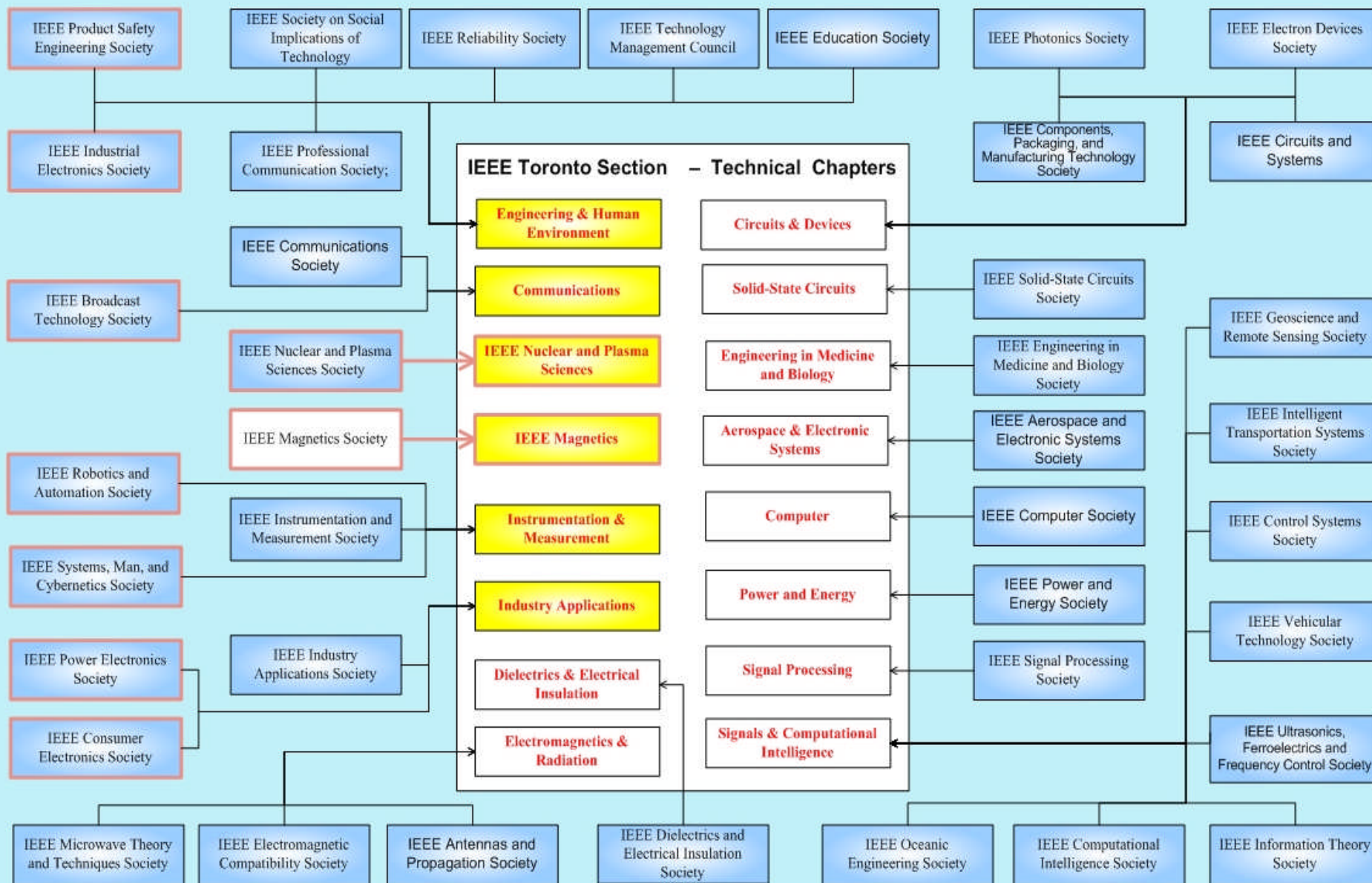
XXXX - Toronto Section Chapter

XXXX - IEEE Society Affiliated with Toronto Section Chapter

XXXX - IEEE Society NOT affiliated with Toronto Section Chapter

IEEE Toronto Section – Technical Chapters

October 2009



Legend:

XXXX - Toronto Section Chapter

XXXX - Restructured Toronto Section Chapter

XXXX - IEEE Society Affiliated with Toronto Section Chapter

XXXX - Newly (2008-09) affiliated IEEE Society