

IEEE – The Organization

04

**Twin Cities Section
Officer & Volunteer
Training 2015**

Tom Kansier

IEEE is: *the World's largest technical professional society*



Members
Over 400,000

Countries
160

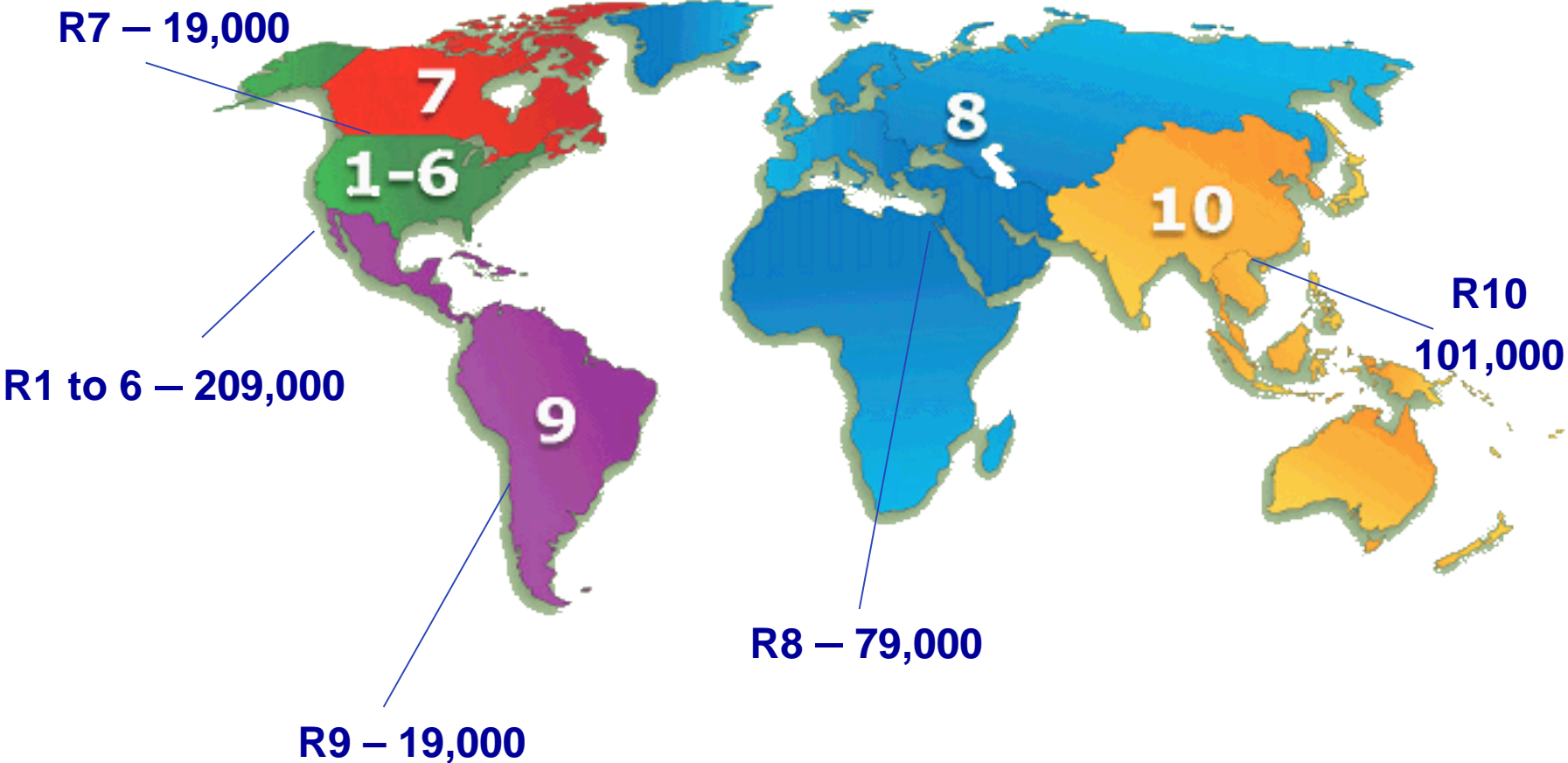
Xplore
Over 3,000,000

Conferences
1500+ per year

Tech
38 / 7
Standards Councils

Standards
1,000 Active Standards

Membership by Region

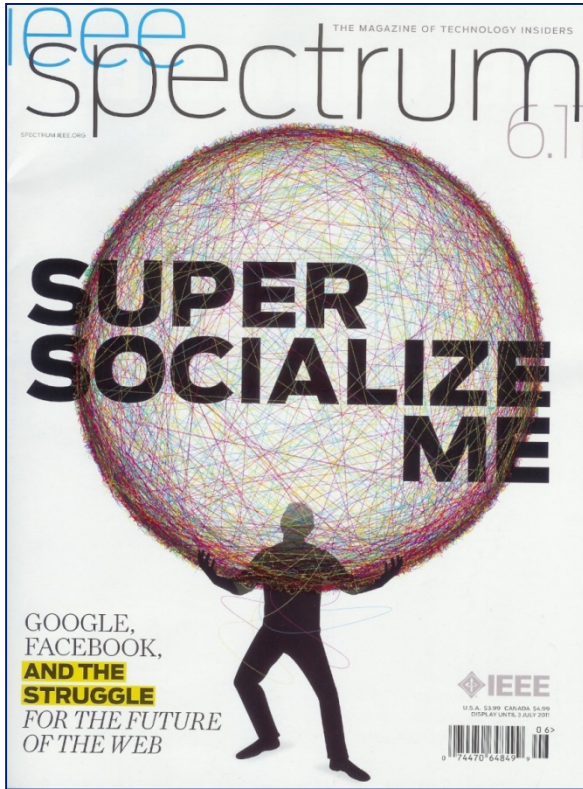


IEEE is: *World-class Publications*

- More than 2 million engineers, scientists and students have access to
- More than 3 MILLION articles in IEEE digital library
 - *7M+ articles downloaded per month*
- From over 150 IEEE journals, transactions and magazines
 - *17 of the 20 top-cited publications in electrical and electronics engineering*



IEEE is: *Spectrum Magazine & Social Media*



■ Facebook

– 18,000 fans

■ Twitter



– 12,000 followers

@ieeemetroevents

■ LinkedIn

– >200 in group

2013 IEEE Smart Tech Metro Area Workshop

■ YouTube

– 11.5 million views

– 4,100 subscribers



Workshop Slides will be sent to you via email using Dropbox



IEEE is: A Humanitarian Technology Focus “Engineering for Change”

- IEEE-ASME Joint Endeavor
 - Engineers Without Borders
- Online environment
 - Bring together engineers and other problem solvers with NGOs and local communities
 - Address basic quality of life issues such as access to clean water, electricity and proper sanitation



IEEE is: EPICS

Engineering Projects in Community Service



- Conceived and championed by IEEE 2007 President Leah Jamieson of Purdue University
- University and high-school students work on engineering-related projects with local area non-profit organizations
- Empowers student branches and IEEE GOLD groups to work with high school students on community service-related engineering projects

IEEE is: Continuous Education



■ Pre-University Education

- TryEngineering.org
- Teacher In-Service Program
- Engineering Projects in Community Service (EPICS)

■ University Education

- Accreditation (US and non-US)
- Technical English Program (on-site training workshops for volunteers)



■ Continuing Education

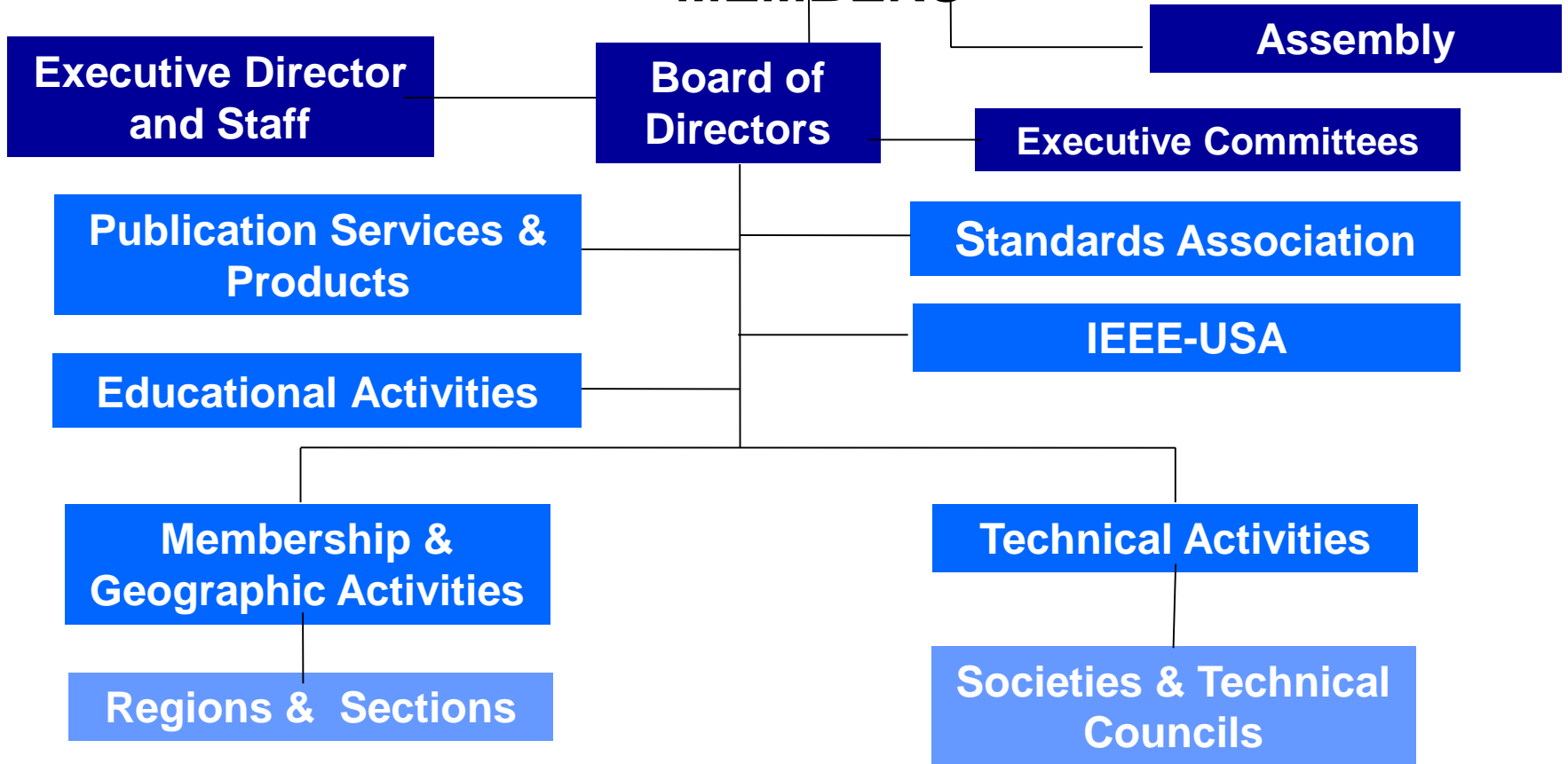
- Short Courses (CEUs & PDHs)
- Partnerships with Universities

IEEE is: Looking to the Future

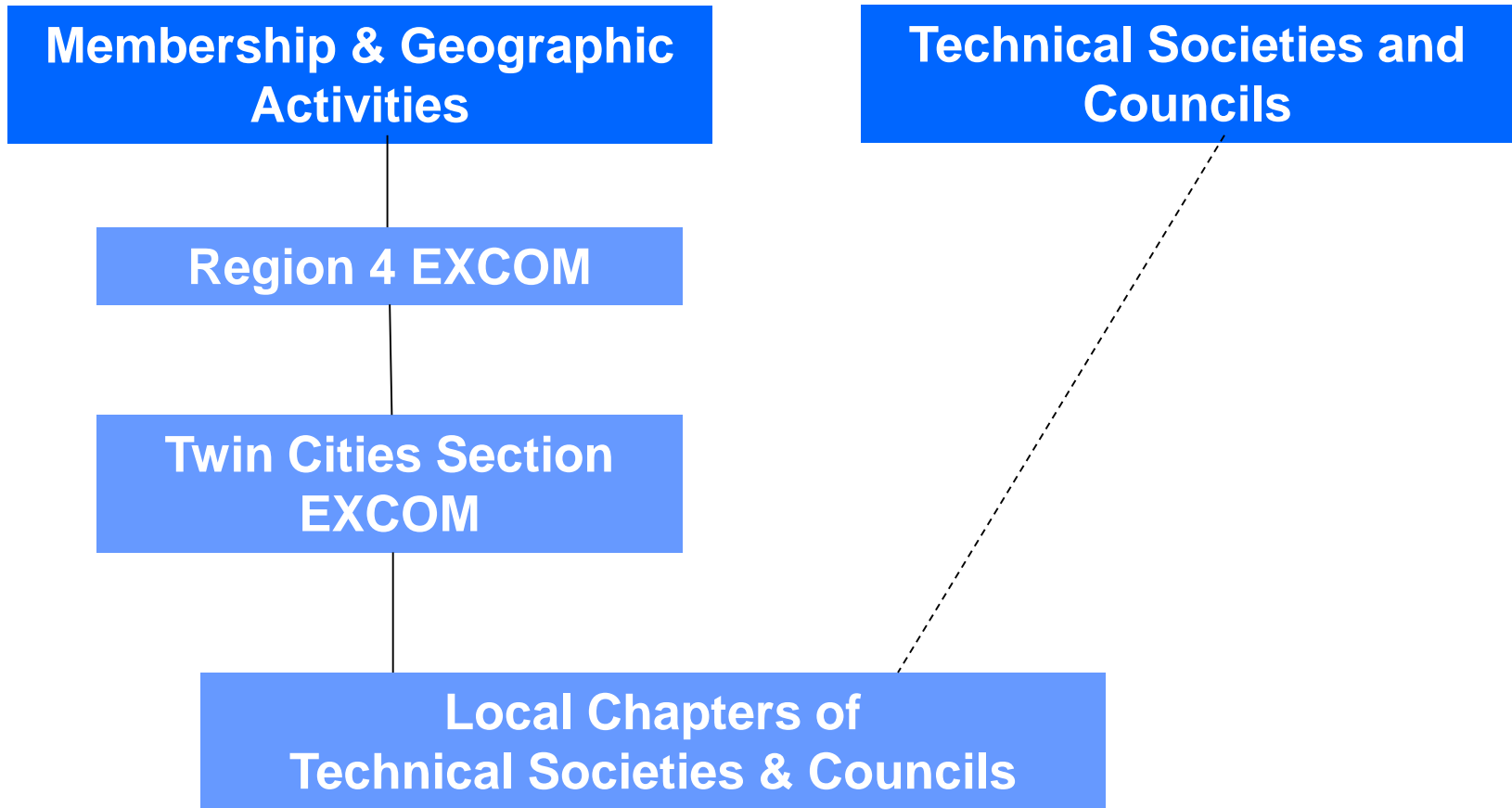
- IEEE is bringing a more systematic, comprehensive approach to applying technology to help solve world problems
- Developing global solutions for critical need areas
- Encouraging local IEEE members to create solutions
- Providing information on funding sources, and on other support



IEEE Organization & Governance



IEEE Organization & Governance



Twin Cities Section Organization

- Executive Committee (ExCom)
 - 4 elected Section officers & Past Chair
 - Chair, Vice Chair, Secretary, Treasurer
 - One elected representative from each local technical chapter
 - Executive committee chairs
 - One representative from Student Branches
 - Meets once a month
 - Responsible for oversight of all IEEE activities in the section
- ~ 3200 members
- ~ 60 technical mtgs in 2014
- Section ExCom Executive Committees
 - Nominating
 - Communications (Steve Weber)
 - Technical Activities (open)
 - Corporate Ambassadors (Brady Mayes)
 - Student Activities (Steven James)
 - PACE (Dave Hoff/??)
 - Membership Development (El Nolley)
 - Awards (Jim Riess)
 - MFEST Representative (Steve Merriman)
 - Government Activities (open)

Twin Cities Section Technical Societies

- Aerospace Electronic Systems
- Computer
- Consultants Network of Twin Cities
- Engineering in Medicine and Biology
- Electromagnetic Compatibility
- Instrumentation and Measurement
- Magnetics
- Microwave
- Power & Energy
- Power Electronics
- Reliability
- Signal Processing & Communications Joint
- Technology & Engineering Management Society
- Student Branches
 - St. Cloud State
 - U of Minnesota
 - Univ. of St. Thomas
 - Univ. of Wisconsin, Stout
- Projects and Study Groups
 - Phoenix
 - Clever AI
 - Innovation and Creativity