Global Standards Symposium Panel
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World’s largest technical professional society

- Over 376,000 members
  - Live and work in over 160 countries
  - Grouped into geographic and technical areas reflecting where members live and work
- Holds more than 500 international conferences annually
- Publishes over 30% of the world’s literature in its fields
  - More than 1.7 million documents in the IEEE/IET Electronic Library
- Offers more than 900 active industry standards
  - Nearly 1,300 standards and projects under development
- Fosters technical innovation in many areas
  - 38 societies and 6 technical councils representing the wide range of technical interests in the IEEE
IEEE-SA Mission

To enable and promote the collaborative application of technical knowledge to advance economic and social well-being

Core Values:
- Respect for consensus
- Due process
- Openness
- Global market relevance
- Technical integrity and excellence
- Collaboration and community building
IEEE-SA’s Global Approach

- Advance technology to benefit global society
  - High-quality, globally relevant standards are borderless
  - Cost-effective development
  - One standard, one test worldwide

- As a global SDO the IEEE-SA’s policies must be globally relevant
  - Apply consistently worldwide
  - Ensure a fair and balanced environment for all participants

- Partnering with the international community
  - Create a standards development environment that brings together all constituents
  - Deliver economically relevant global standards to the international community
IEEE International Collaboration

- **International Electrotechnical Commission (IEC)**
  - A portion of existing IEC library built on IEEE standards
  - Agreements in place to:
    - Fully adopt IEEE standards as IEC standards
    - Enable Joint Development work between IEEE and IEC committees

- **International Organization for Standardization (ISO)**
  - Partner Standards Development Organization (PSDO) Agreement in place for rapid adoption and joint development

- **ISO/IEC Joint Technical Committee 1 (JTC1)**
  - 25+ years of adoption of IEEE network, operating systems, microprocessor, and software engineering standards

- **International Telecommunications Union (ITU)**
  - International sector membership in all three ITU sectors – Telecommunications, Radiocommunications, Development
IEEE-SA & National Standards Bodies Agreements

- Provides for the adoption of IEEE standards as National Body Standards, or
- Identifies mechanisms for collaborative work and cooperation between organizations
  - Canadian Standards Association (CSA)
  - Standards Institute of Israel (SII)
  - South Africa Standards Bureau (SABS)
  - Korean Electrical Association (KEA)
Bridging the Standardization Gap

- IEEE is a rich source of technical information for standards developers.
  - Reciprocal agreement with ITU allows ITU members access to the IEEE Library of periodicals, transactions, journals, standards
- IEEE-SA Policies enable participation in IEEE working groups and consensus ballots by all interested parties
- On-line balloting encourages global participation
Bridging the Standardization Gap

- Seminars on IEEE Standards Association
  - Germany
  - China
  - Tunisia
  - Japan

- Outreach to National Organizations in
  - Brazil  – Japan
  - Canada  – Korea
  - China
Bridging the Standardization Gap

- Access to select IEEE standards at no charge:
  - Get IEEE 802® - *IEEE Local and Metropolitan Area Network (802) standards*
  - Get IEEE/ANSI N42™ - *Radiation Detection Standards*

- Education on standards
  - Online Standards-related tutorials (no charge)
    - Case studies
  - Grants for students projects based on standards
  - IEEE Expert Now on-line courses in various technologies areas (including standards)
Summary

IEEE develops globally relevant standards
IEEE has developed standards for 115+ years
  - IEEE catalog of standards contains long-established engineering practices and leading-edge technologies that drive the marketplace
IEEE has three venues for complementary joint development and collaboration
  - Individual-consensus standards
  - Entity-consensus standards
  - Consortia specifications and support
IEEE has a leading contemporary intellectual property policy