Industry Connections Overview

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Industry Connections (IC) Program

❑ **An efficient, economical, neutral environment for building consensus**
  – Supports incubation of new technologies, standards and related services
  – Help individuals or entities solve shared problems and produce shared results
  – Minimal effort, time and expense to begin collaborative work
  – Respected, neutral, third-party home for activities and results
  – Efficient path toward prestigious IEEE publication/standardization
  – Flexible options for evolution, transition and conclusion of activities

❑ **Not just for "Industry". Two types of IC activities:**
  – <u>Individual-based:</u> Activity members are individuals with any affiliation. Voting (if needed) is one vote per individual.
  – <u>Entity-based</u>: Activity members are entities. Voting (if needed) is one vote per entity.
    • Entities are corporations, government agencies, academic institutions, trade associations, NGOs, etc.

❑ **Complements IEEE-SA "formal" standards activities**

Possible Outputs of IC Activities

- Proposals for standards

- White papers

- Peer-reviewed guides and position papers

- Workshops and other events

- Databases and registration services

- Software, tools and web services

- Other jointly developed results

Example IC Activities

Computer Security Group (ICSG)
- A global group of computer security entities pooling experience and resources to combat the systemic and rapid rise in computer security threats
- http://standards.ieee.org/develop/indconn/icsg/index.html

3D Body Processing
- Bringing together an ecosystem of players to propose new standards around enabling 3D body processing which includes the capture, processing, storage, sharing and (augmented) representation for "Of-the-body" and "On-the-body" technologies.
- http://standards.ieee.org/develop/indconn/3d/bodyprocessing.html

Global Initiative for Ethical Considerations in the Design of Autonomous Systems
- Bringing together experts in fields relating to autonomous systems (e.g., Robotics, Artificial Intelligence, Computational Intelligence, Machine Learning, Deep Learning, Cognitive Computing, Affective Computing) to identify and address the ethical considerations related to the design of autonomous systems and the issues they involve.
- http://standards.ieee.org/develop/indconn/ec/autonomous_systems.html

Ethernet & IP at Automotive Technology Day
- Annual conference and exhibition on the application of Ethernet (IEEE 802.3) and Internet standards in the automotive environment

Current IC Activities:

http://standards.ieee.org/develop/indconn/activities.html

IEEE-SA Support for IC Activities

- Assignment of an IEEE-SA advisor/mentor
- Assistance with creation and approval of the Activity Initiation Document (ICAID)
- Assistance with the creation of policies & procedures (P&P)
- Assistance with the election of Activity officers
- Advise activity Chair on establishment of a work plan
- Establishment of a collaboration workspace, email reflector, and public website for the activity
- Announcement at/near beginning of IC activity
- One media announcement per year upon completion of major deliverables
- Guidance on publication of documents through IEEE
- Guidance on startup of IEEE-SA standards projects
- Administration of added fee services (e.g., secretariat services, technical writing, workshops), including:
  - Facilitate selection of service providers
  - Manage contracts and negotiate fees
  - Deliverables and payments schedule oversight
  - Activity member/sponsor fee collection and distribution

Additional Information

IEEE Industry Connections Website:

- http://standards.ieee.org/industryconnections

IEEE Industry Connections Email Address:

- industryconnections@ieee.org

Current and Past IC activities:

- http://standards.ieee.org/develop/indconn/activities.html
- http://standards.ieee.org/about/sasb/iccom/activities.html

Activity Initiation Form:

- http://standards.ieee.org/develop/indconn/icaid_form.doc

Baseline IC Activity Policies and Procedures

- http://standards.ieee.org/about/sasb/iccom/IC_Activity_PNP_Individual_Baseline.doc
- http://standards.ieee.org/about/sasb/iccom/IC_Activity_PNP_Entity_Baseline.doc

IEEE Standards Association Corporate Members:

- http://standards.ieee.org/develop/corpchan/mbrs1.html