IEEE Internet Initiative

Connecting the Global Technology and Policy Making Communities on Internet Governance, Cybersecurity, Privacy, and Inclusion
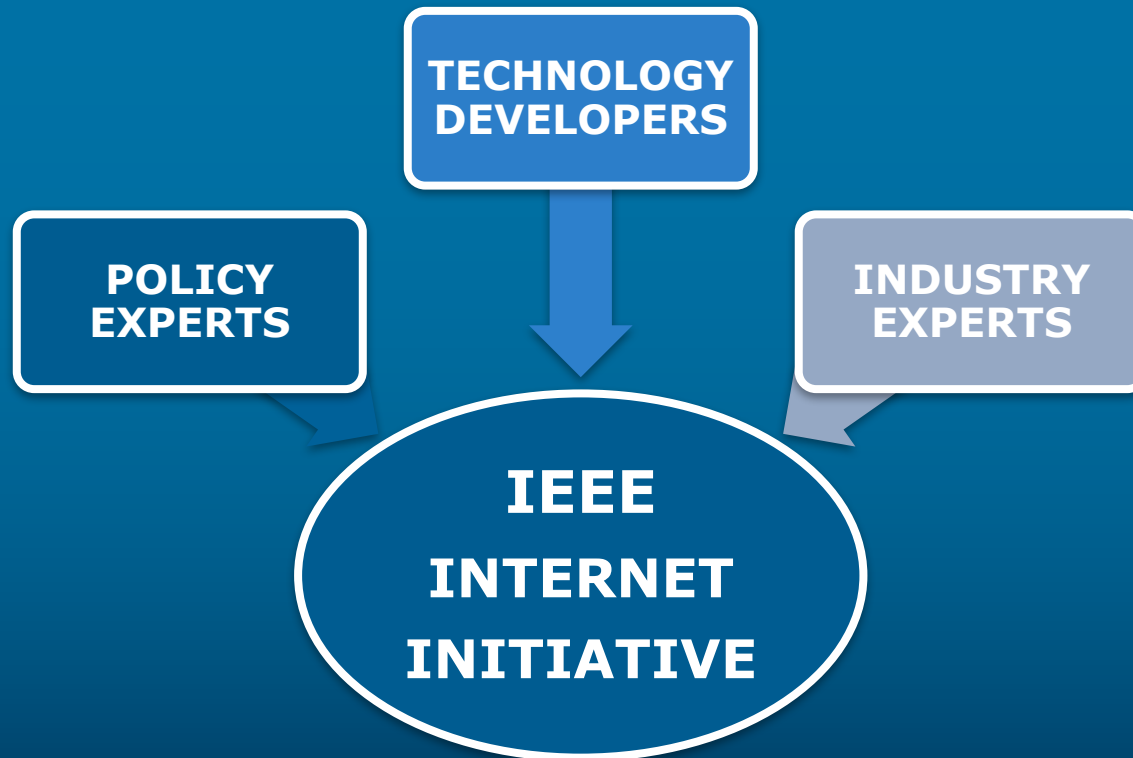
August 2017

Mission Statement

To provide a collaborative platform for advancing solutions and informing global technology policymaking through a consensus of sound technical and scientific knowledge in the areas of internet governance, cybersecurity, privacy, and inclusion.

Meeting Stakeholder Needs

The IEEE Internet Initiative facilitates the engagement of technology, industry, and policy experts in an open, collaborative environment for the collective benefit of all stakeholders.

Global IEEE Internet Community

- Through the IEEE Internet Initiative, global technical and policy communities can work together to improve internet governance.
  - Inform, debate, share findings, and improve decisions
  - Help foster trustworthy technology solutions and best practices

- We enable bi-directional dialogue to encourage online collaboration and information exchange.

- Community participants can connect via global conferences and workshops on internet governance, cybersecurity, privacy, and inclusion.

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Organization Overview

IEEE Board of Directors

IEEE Internet Initiative Ad Hoc Committee

Policy Track

Inclusion Track

Technology Track

Internet Technology Policy (ITP) Community

Initiative at a Glance

POLICY TRACK

Connect technologists with policymakers and other stakeholders to identify highest priority issues and develop associated action plans and position statements.

INCLUSION TRACK

Collaborate to develop and implement regional internet advancement road maps that support an inclusive, safe and trustworthy internet.

TECHNOLOGY TRACK

Monitor and assess the potential impacts of technology developments related to the internet to make it more accessible and trustworthy.

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Policy Track: Internet Policy Engagements and Contributions

Charter

– Connect technologists and policymakers, to identify highest priority issues and develop associated action plans

– Develop position statements, policy communications and white papers

– Participate and represent the voice of the technical community in global and regional internet policy forums and processes

Planned Activities

– Organize Experts in Technology and Policy (ETAP) Forums (e.g., in Africa and Central/South America)

– Participate and contribute to key internet policy meetings/events (e.g., WSIS Forum, Regional and Global IGF meetings, UN STI Forum, etc.)

– Develop IEEE Policy Documents

– Continuously monitor the global internet policy environment for important potential IEEE engagement opportunities

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Policy Track:
2017 Accomplishments

- Policy statements
  - Building a Sustainable Global Information Society
  - The Role of the Technical Community in Internet Policy

- ETAP Forum in Africa (May)
  - See ETAP Forum overview video: https://ieeetv.ieee.org/conference-highlights/etap-africa-2017-recap

- *IEEE Internet Policy Newsletter*

- Weekly *Global Internet Policy Monitor*

- WSIS Forum 2017 + Hackathon (June)

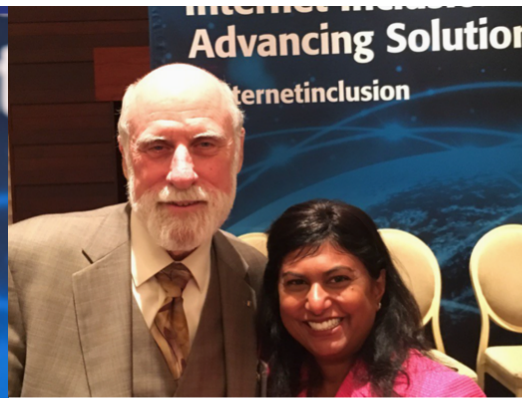# Inclusion Track: Advancing Internet Inclusion

Charter

- Advance solutions for enabling meaningful, practical and effective internet usage for all

- Connect technologists with required partners (policymakers, funding agencies, civil society organizations) globally and regionally

- Develop and implement regional internet advancement road maps

Planned Activities

- Organize Internet Inclusion: Advancing Solutions (IIAS) workshops/coordination meetings

- Advance regional internet inclusion projects (e.g., IEEE SIGHT project in Tunisia)

- Establish a global corps of internet connectivity experts ("IEEE Connectivity Corps")

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Inclusion Track:
2017 Accomplishments

❯ Internet Inclusion: Advancing Solutions – Washington D.C. (April)

  – See Internet inclusion overview video: https://ieeetv.ieee.org/ieeetv-specials/connecting-the-next-billion-internet-inclusion-advancing-solutions

❯ Internet Inclusion: Advancing Solutions – India (October)

❯ Internet Inclusion: Advancing Solutions – Washington D.C. (October)

❯ Creation of *IEEE Internet Inclusion Programs Fund* to support worldwide efforts

Technology Track: Strategic Technology Enablement

Charter

- Monitor key technology developments related to the internet (e.g., increasing trust and inclusion, digital identity, blockchain, "Frugal 5G"™, etc.)

- Liaise with relevant IEEE technical communities and initiatives across the Institute (e.g., Technical Activities, Standards, Humanitarian Activities, etc.) to harness their expertise in addressing specific issues in internet governance, cybersecurity, privacy, and inclusion
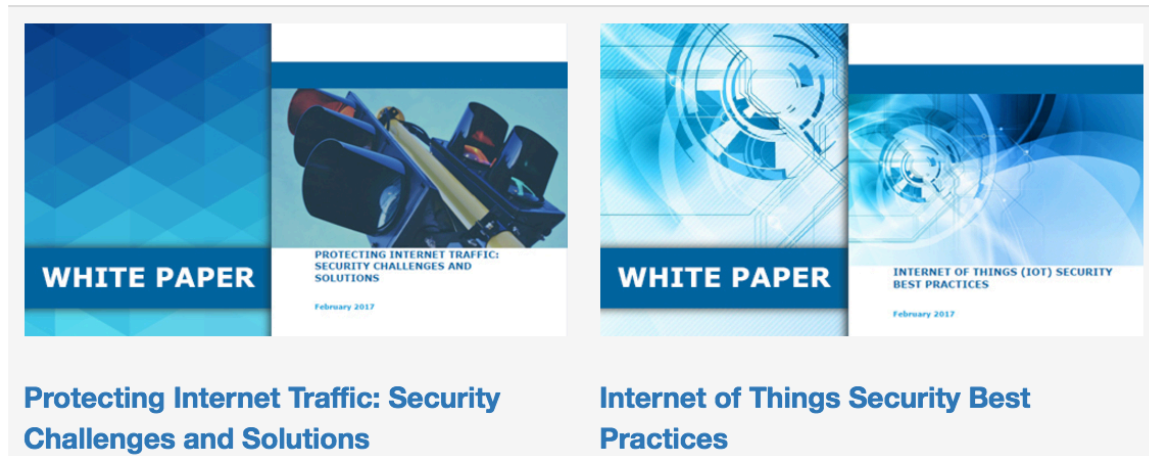
Planned Activities

- Organize and coordinate the development of white papers and related webinars, articles, etc. on technologies that significantly impact internet policy discussions (e.g., algorithmic decision making, blockchain, symbiotic autonomous systems, etc.)

- Ensure participation of technical communities from across the IEEE, such as societies, councils, and other affinity groups

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Technology Track: 2017 Accomplishments

› White papers published and webinar presentations
  – Protecting Internet Traffic: Security Challenges and Solutions (August)
  – Internet of Things (IoT) Security Best Practices (September)

Protecting Internet Traffic: Security Challenges and Solutions

Internet of Things Security Best Practices

› White papers under development
  – Algorithmic Decision Making
  – Symbiotic Autonomous Systems
  – Machine Learning and its Implications for Internet Governance
  – Options and Challenges in Providing Universal Access

Benefits for Active Members

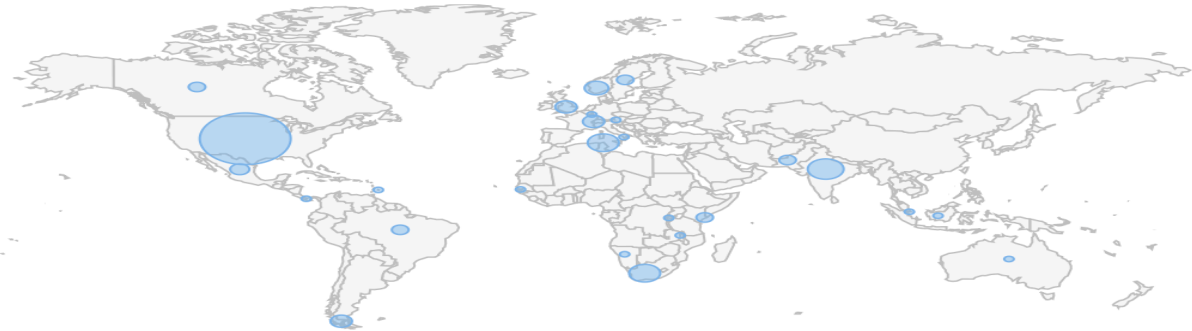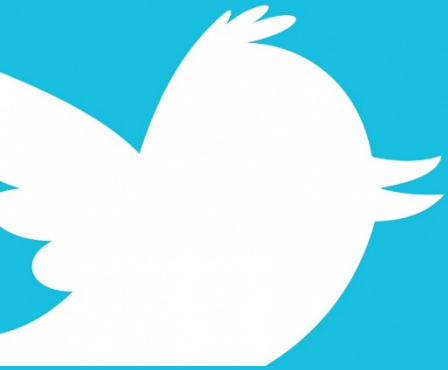|	
Dialogue with experts working in technology and public policy	• Both online and face-to-face
A weekly report on significant internet policy related activities around the world	• *IEEE Global Internet Policy Monitor*
Resources and information	• On internet governance, cybersecurity, privacy, and inclusion

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Local Conversations on a Global Scale

Global solutions for urban health: WSIS Hack for Health

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On the web: internetinitiative.ieee.org

➤ Join the Internet Technology Policy Community.

➤ Engage in conversations on Collabratec.

➤ Read the weekly *Global Internet Policy Monitor.*

➤ Subscribe and contribute to the bi-monthly *IEEE Internet Policy Newsletter.*

➤ Find reports, presentations, webinars, videos and other resources.

Get Involved

IEEE Internet Initiative is a community of experts in technology and policy, and you are invited to join and participate. Membership is open and free. Everyone is welcome.

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