IEEE STANDARDS ASSOCIATION INTRODUCTION

RAISING THE WORLD'S STANDARDS

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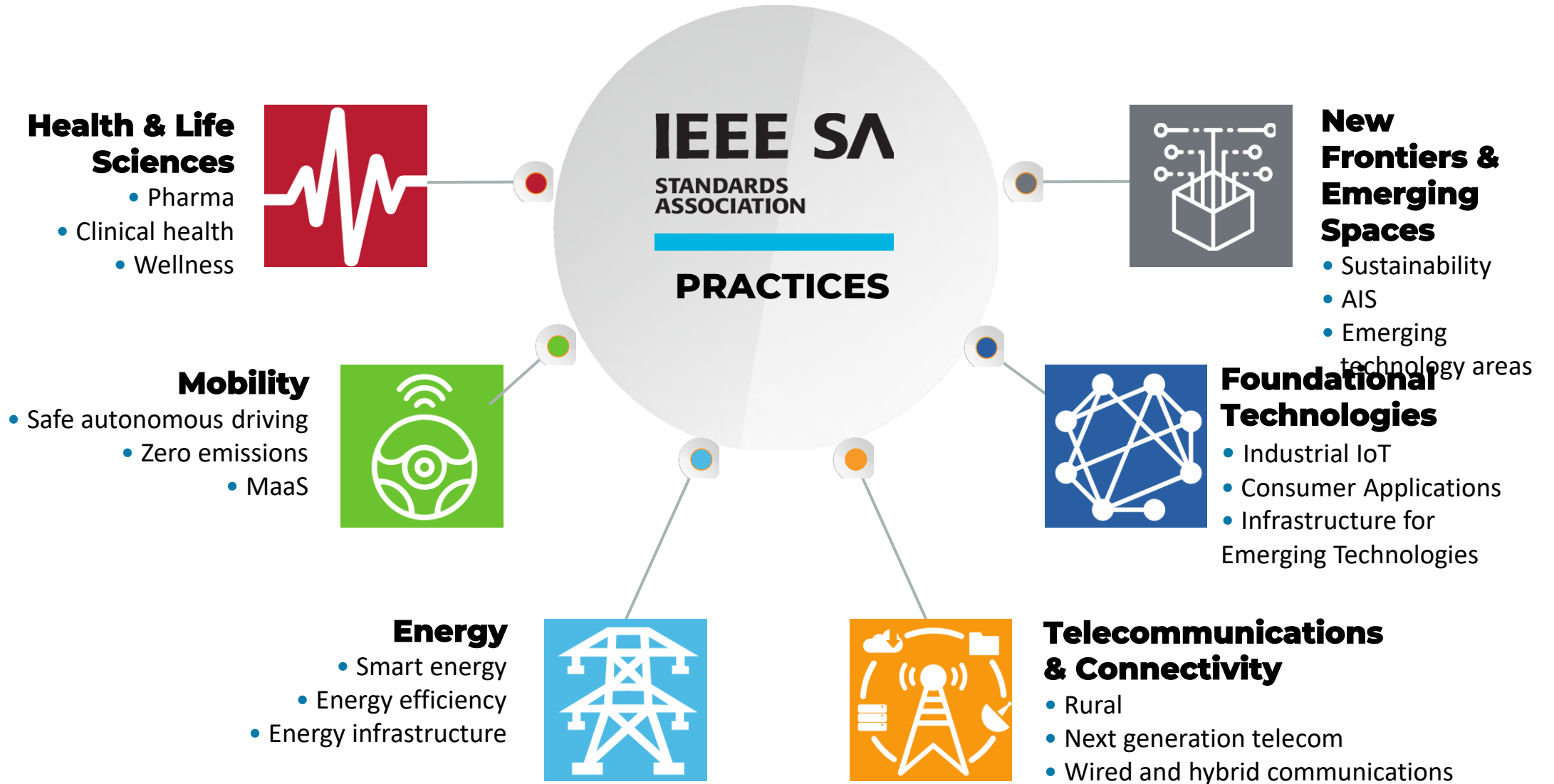
SEPTEMBER 2022

ADVANCING TECHNOLOGY FOR HUMANITY

ABOUT IEEE

- 420,000+ Members
- 160+ Countries
- 46 Technical Societies and Councils
- 2100+ Annual Conferences
- Global Humanitarian Efforts

IEEE SA
STANDARDS ASSOCIATION

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◇IEEE

NEW APPROACHES: IEEE SA Centers of Competence

IEEE SA
STANDARDS ASSOCIATION

PRACTICES

Health & Life Sciences
- Pharma
- Clinical health
- Wellness

Mobility
- Safe autonomous driving
- Zero emissions
- MaaS

Energy
- Smart energy
- Energy efficiency
- Energy infrastructure

New Frontiers & Emerging Spaces
- Sustainability
- AIS
- Emerging technology areas

Foundational Technologies
- Industrial IoT
- Consumer Applications
- Infrastructure for Emerging Technologies

Telecommunications & Connectivity
- Rural
- Next generation telecom
- Wired and hybrid communications

Standards Landscape

PORTFOLIO OF PROGRAMS & SERVICES

RAISING THE WORLD'S STANDARDS

Industry Connections
Exploring & incubating new tech & its use

Open Source
Providing a community-powered platform to support open source projects

Standardization
Creating markets & protecting public safety through standards development
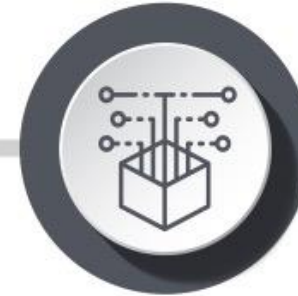
Alliance Management
Providing support to alliances & trade associations

Membership
Connecting to experts & resources with advanced participation options

Registries
Providing unique identifiers to support global compatibility & interoperability

Conformity Assessment
Providing confidence & assurance & accelerating market adoption

Welcome to IEEE SA Open
A community-powered platform for open source projects

saopen.ieee.org

standards.ieee.org/opensource

Existing open source projects	
• 1076 VHDL • P1752 Open mHealth • ICICLE • OSVVM • P2050 TRON • P9274.4.2 • P9274.1.1 - xAPI	• P1451.1.4 XMPPI • P370 Elec Characterization • IEEE 2791 BioCompute • TagVault.org • Blockchain Asset Exchange • Knowledge Graph

- A global home to enable independent software developers, startups, projects, academia, foundations and industry organizations around the world to create, test, manage and deploy innovative projects in a collaborative, safe and responsible environment.

- Aims to bridge the gap between global standards development, and open-source developer communities, accelerating the development and adoption of technical solutions aimed at benefiting society.

  - Participation is open to anyone

  - Staff supported, self-hosted develops and collaboration infrastructure

  - Multiple models available based on user, community, project needs

  - Use cases for standards and non-standards projects alike

  - Get guidance and support, if you need it, from Open Source Community Manager, helpdesk, and community members

  - Connect with IEEE's extensive network of Members, Societies, Standards Committees and Working Groups for collaboration

IEEE CONFORMITY ASSESSMENT PROGRAM (ICAP)

Interconnection of Distributed Energy Resources (DER)

Phasor Measurement Unit (PMU)

Electric Vehicle (EV) Charging

Now Accepting Applications

IEEE 1588 Power Profile

Now Accepting Applications

Nuclear Power Electrical Equipment

Camera Phone Image Quality

Sensors Certification Committee

Now Accepting Applications

THE IEEE GOVERNMENT ENGAGEMENT PROGRAM ON STANDARDS (GEPS)

A platform allowing government ministries from around the world to increase their understanding of IEEE's standards process, and to facilitate input on government priorities into IEEE's standardization ecosystem.

The Program aims to:

- Increase governments' understanding for the globally open IEEE standardization process,

- Inform governments about IEEE SA's key initiatives,

- Gain input from government experts to the Standards Board and other standards-related discussions,

- Engage with countries from around the world to foster a global perspective.

IEEE SA STANDARDS ASSOCIATION

A Sample of Participants:

Ramy Ahmed
Egypt
National Telecom Regulatory Authority (NTRA)

Rajeev Sharma
India
Bureau of Indian Standards (BIS)

Hemant Darbari
India
Centre for Development of Advanced Computing (C-DAC)

Ashok Rajput (primary)
Vandana Singhal (secondary)
India
Central Electricity Authority (CEA)

Sudhir Bhandari (primary)
Premjit Lal (secondary)
India
Telecommunication Engineering Center (TEC)

Samyoung Chung
Republic of Korea
Ministry of Science and ICT (MSIT)

Afşin BÜYÜKBAŞ (primary),
Fazlı Kaybal (secondary)
Turkey
Information and Communication Technologies Regulatory Authority of Turkey (ICTA)

Simon Hicks
United Kingdom
Department for Digital, Culture, Media & Sport (DCMS)

Marla Dowell
United States
National Institute of Standards

Thomas Koshy
United States
Nuclear Regulatory

RAISING THE WORLD'S STANDARDS

Developing market relevant open standards and solutions:

- Advancing global technologies and technology platforms

- Promoting innovation

- Protecting public safety, health & wellbeing

- Contributing to a sustainable future

WE INVITE YOU TO CONNECT WITH US.

twitter.com/ieeesa

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