IEEE SA OPEN

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IEEE SA OPEN Executive Director
OUR PURPOSE
WHY IEEE SA OPEN EXISTS
More rules to:
- keep you safe
- keep the focus on humanitarian solutions
GOVERNANCE

- Safe
- Trusted
- Production Ready
- Measurement
The IEEE SA OPEN platform encourages the community to collaborate and create resources for platform, group, and project needs.
The IEEE SA OPEN platform and product offerings help to assist in implementing the core mission of working together for the greater good of Humanity. Needs can be developed and maintained on the platform while also being contributed back to the IEEE SA OPEN Community.
“Community in a Box”

- GitLab - Platform and community
- Mattermost - Chat communications
- BigBlueButton - Video conferencing
### Platform Evaluation Process

<table>
<thead>
<tr>
<th>Category</th>
<th>Platforms</th>
</tr>
</thead>
<tbody>
<tr>
<td>Develop</td>
<td>Gitlab</td>
</tr>
<tr>
<td>Collaborate</td>
<td>MatterMost, BigBlueButton*, NextCloud*</td>
</tr>
<tr>
<td>Planning</td>
<td>Redmine*</td>
</tr>
<tr>
<td>Monitoring</td>
<td>Prometheus*, Grafana, GrimoireLab*</td>
</tr>
<tr>
<td>Configuration Management</td>
<td>Ansible, Terraform*</td>
</tr>
<tr>
<td>Security</td>
<td>IEEE proprietary solution - Community version TBD</td>
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<tr>
<td>Testing</td>
<td>IEEE proprietary solution - Community version TBD</td>
</tr>
<tr>
<td>CI/CD Orchestration</td>
<td>GitLab</td>
</tr>
</tbody>
</table>
THE MOST FEATURE RICH PLATFORM AVAILABLE

Version Control, Store, Share, Collaborate, Test code

- Monitoring and Metrics
- Customer Support
- Maintenance
- Security and Compliance
- Disaster Recovery
- CI/CD
- Microsites
- Proof of Concepts
Features - Current

- One-to-one and group messaging, file sharing, and unlimited search history
- Threaded messaging, emoji, and custom emoji
- Tools for custom branding
- Continuous archiving
- Multi-factor authentication
- Extensive integration support via webhooks, APIs, drivers, and third-party extensions
- Easily scalable to dozens of users per team
- New features and improvements released every month

- Video Conferencing
- Built-in polling
- Video recording
- Video Storage
- Live white board for presenters and groups
- Chat with accessible shared notes
- Breakout rooms for conferencing
- Emojis
- Live polling and results
- Screen sharing
- *Unlimited number of participants
Any new features created for the platform are shared with all instances of the platform.
Here to Stay!

- Supporting IEEE’s Standards Community
  - 16 standards to date
- The Greater IEEE Community and Societies
  - A place for Societies to organize Codeathons
- Humanitarian focus
  - A landing spot for IEEE’s OS Humanitarian projects
  - All OS Humanitarian projects are welcome
- Evolving to Support and integrate with IEEE’s needs for
  - Open Research
  - Open Hardware
  - Open Data
Open Source means:

- Collaboration
- Flexibility
- Transparency
- Peer Review
- Affordability
OPEN STANDARDS

- Address privacy and security
- Understands existing ecosystems
- Data driven
- Designed for sustainability and scalability
- Collaborative
- Adheres to fundamental principles of standards
COMMUNITY GENERATED SUPPORT

Community Generated Support and Best Practices Documentation

- SMEs from around the world supporting a Review Process
- Best Practices in Community Governance
- Best of OSS Practices
- Best of Standards Practices
Standardization Path

1. DOCUMENTATION
2. TEMPLATIZATION
3. AUTOMATION
4. MEASUREMENT
5. EVALUATION
6. STANDARDIZATION
Key to a Robust Community

- Measurement with Credit
- Gateway to Inclusion
- Key to Creating Products that People Want
- Sustainability and Longevity
The Community Advisory Group (CAG) defines and promotes best practices for participation in open source projects, especially within the IEEE SA OPEN framework. We consult with members of communities, leaders in the broader open source world, and existing documentation, while actively involving people who are diverse in race, nationality, gender, and ability.

**What:**
- Culture and Processes of the Community as a Whole
- General processes like holding meetings
- Facilitation and mentorship practices and Coaching

**Who:**
Management, Leaders, Facilitators, Teachers, Evangelists, Designers

**Provides:**
Leadership, Positive Culture, Inclusion, Diversity
MARKETING ADVISORY GROUP

**What:**
- Best Practices and Reviews
- Information Sharing and Collaboration

**Who:**
Marketing, Evangelists, Social Media, Event Speakers, Designers, and Artists

**Provides:**
Visibility, Better Products, Centralizes Discussion, Engagement

The Marketing Advisory Group (MAG) defines and promotes best practices for marketing in open source projects. The Marketing Advisory Group allows all participants to share and contribute in the larger Open Source community, increasing role diversity and providing opportunities and processes to quantify contributions that are often overlooked.
The Technical Advisory Group (TAG) creates collateral, processes, and recommendations for the IEEE SA OPEN Platform and incoming groups.

**What:**
- Architectural and Code Reviews
- Feature Design
- Prioritization and Logistics

**Who:**
Product Managers, Designers, Architects, and Coders

**Provides:**
production ready products, a better platform
TOOL EVALUATION PROCESS

1. Community Suggests Tool
2. Community Checklist
3. Community Notification
4. POC Install
5. Community Testing
6. Community Approval / Prioritization
7. IEEE SA Open Approval
8. Architectural Review and Pricing
9. Submit to IEEE
COMMUNITY CONTRIBUTIONS

- **Technical Advisory Group** -
  - Feature and Tool evaluations subgroup - Feature/ Tool Evaluation

- **Marketing Advisory Group** - Branding guidelines/material for community use
  - Open Source Intelligence “OSINT” subgroup - working on relevant OSINT Data, Reviews, Methodologies, Resources, and Best Practices.

- **Community Advisory Group**
  - Education subgroup - Creating resources for K-12 schools, colleges, universities, and training centers for use on the IEEE SA OPEN platform.
Legal:
- Antitrust
- IPR
- Export Control
- Open Source Licenses

Healthy community practices including code of conduct

Open Source development practices for production ready software

As we automate these policies and processes, you inherit the same tools.
WHAT CAN YOU DO?

- **Join** the Community and Help Create Processes
- **Use** the platform to begin coding
  - Adding Features
  - Templates and Automation
- **Share your feedback**
  - Develop a standard on the platform
  - Create a community and open Project
- **Donate or sponsor**
  - Workshops
  - Videos
  - Features
Thank you!

Http://saopen.ieee.org - Website
http://opensource.ieee.org - Platform
https://opensource-connect.ieee.org - Chat
S.bonewald@ieee.org - Email