

# Digital Inclusion, Identity, Trust, and Agency Industry Connections Activity Initiation Document (ICAID)

Version: 28 February 2019

IC17-002-02 Approved by the IEEE-SASB 21 March 2019

## Instructions

- Instructions on how to fill out this form are shown in red. It is recommended to leave the instructions in the final document and simply add the requested information where indicated.
- **Shaded Text** indicates a placeholder that should be replaced with information specific to this ICAID, and the shading removed.
- Completed forms, in Word format, or any questions should be sent to the IEEE Standards Association (IEEE-SA) Industry Connections Committee (ICCom) Administrator at the following address: [industryconnections@ieee.org](mailto:industryconnections@ieee.org).
- The version number above, along with the date, may be used by the submitter to distinguish successive updates of this document. A separate, unique Industry Connections (IC) Activity Number will be assigned when the document is submitted to the ICCom Administrator.

## 1. Contact

Provide the name and contact information of the primary contact person for this IC activity. Affiliation is any entity that provides the person financial or other substantive support, for which the person may feel an obligation. If necessary, a second/alternate contact person's information may also be provided.

**Name:** Greg Adamson

**Email Address:** g.adamson@ieee.org

**Phone:**

**Employer:** University of Melbourne

**Affiliation:** IEEE Society on Social Implications of Technology (IEEE SSIT)

IEEE collects personal data on this form, which is made publicly available, to allow communication by materially interested parties and with Sponsors and Activity officers who are responsible for IEEE work items.

## 2. Participation and Voting Model

Specify whether this activity will be entity-based (participants are entities, which may have multiple representatives, one-entity-one-vote), or individual-based (participants represent themselves, one-person-one-vote).

**Individual-Based:** As an outreach activity in a rapidly evolving technology field, the IC needs to engage with a diverse and widely dispersed technology

development and implementation community.

### 3. **Purpose**

#### 3.1. **Motivation and Goal**

Briefly explain the context and motivation for starting this IC activity, and the overall purpose or goal to be accomplished.

Many areas of human activity in the 21st Century take place within cyberspace. Those excluded from cyberspace are thereby excluded from a key domain of human endeavor. Exclusion may arise from many causes, including affordability, availability, discrimination, and concern for safety. The scope of the “Digital Inclusion, Identity, Trust, and Agency” (DIITA) Industry Connections Program considers causes of exclusion which can be addressed by advancing technology for humanity through standardization and related solutions.

The scope of this Industry Connections program will be in identifying and creating consensus around technologies in order to address trust (Trust: We are safe in our on-line engagement)

- Inclusion: We can afford and access the digital domain
- Identity: We are known as we wish to be known
- Agency: We have control over our data and our activities

Without a satisfactory solution to these requirements, being connected may even harm the short- and long-term interests of people.

DIITA will invite all relevant stakeholders to its open and consensus-building processes mainly aiming at:

- Ensuring that the conditions of on-line access safeguard our personal agency and dignity in ways that are possible off-line through the standardization lifecycle.
- Creating technical capabilities to identify ourselves on-line in a way that protects our privacy, our right to be forgotten, and our off-line ability to have multiple personas; identifying potential standardization opportunities in this vein and encouraging the development of practical, technical outputs to realize this goal.
- Developing technical and contextually applicable standards that enable the needs and voices of all

#### **Initiative Goals**

##### **Addressing these by:**

- Identifying barriers to digital inclusion focusing on developing roadmaps,

solutions, frameworks, or technical standards for affordability and accessibility that support the progress of practical technologies to address those barriers

- Instantiating families of standards activities based on roadmap effort, including data governance models and frameworks.
- Exploring technical solutions for the concept of contextual sufficiency (the minimum data needed for a specific purpose) in relation to digital identity.
- Engaging the broader community in the domains of digital identity, trust, and agency to increase robustness of the standards collaborative output.
- Supporting other IEEE initiatives in common areas of interest, focus and applications through standards.
- Identifying and supporting the transition of working efforts to receptive and appropriate areas of IEEE that may sustainably support mature workstream efforts in the mid-to-longer term.

### **3.2 Related Work**

Provide a brief comparison of this activity to existing, related efforts or standards of which you are aware (industry associations, consortia, standardization activities, etc.).

This Industry Connections activity will complement the work of the Industry Connections Activities:

- IEEE Global Initiative for Ethics of Autonomous and Intelligent Systems.
- Digital Literacy

### **3.3 Previously Published Material**

Provide a list of any known previously published material intended for inclusion in the proposed deliverables of this activity.

1. S.Banerjee Belur (2018), Addressing sustainability in rural connectivity: A case study of Gram Marg Community-led networks, Global Information Society Watch 2018 (GIS Watch), Community Networks. Published by Association for Progressive Communications (APC) and International Development Research Centre (IDRC). This book was released in Internet Governance Forum (IGF) Paris on 13th Nov, 2018.

[https://www.giswatch.org/sites/default/files/gw2018\\_india2.pdf](https://www.giswatch.org/sites/default/files/gw2018_india2.pdf)

### **3.4 Potential Markets Served**

Indicate the main beneficiaries of this work, and what the potential impact might be.

A major focus will be on identifying standards gaps and facilitating development of such standards to support the digital inclusion of all persons around the world.

Many services will benefit from advances in these areas, including in:

- Healthcare
- Identity services
- Internet infrastructure
- Rural connectivity

- Social services delivery

### **3.5 How will the activity benefit the IEEE?**

This activity supports IEEE's goal of advancing technology for humanity by addressing barriers to global access to the Internet. This will both assist IEEE in achieving its goals, and enhance IEEE's reputation for addressing key challenges in technology adoption.

## **4. Estimated Timeframe**

Indicate approximately how long you expect this activity to operate to achieve its proposed results (e.g., time to completion of all deliverables).

**Expected Completion Date:** 03/2021

IC activities are chartered for two years at a time. Activities are eligible for extension upon request and review by ICCOM and the IEEE-SA Standards Board. Should an extension be required, please notify the ICCOM Administrator prior to the two-year mark.

## **5. Proposed Deliverables**

Outline the anticipated deliverables and output from this IC activity, such as documents (e.g., white papers, reports), proposals for standards, conferences and workshops, databases, computer code, etc., and indicate the expected timeframe for each.

*Potential outputs of this Industry Connection's Initiative include:*

- Sustainable community of interested volunteers committed to addressing concrete issues associated with digital inclusion, identity, trust and agency through:
  - developing landscape assessment of existing frameworks
  - creating roadmap documents related to particular technologies and industry verticals
  - formulating standards PARs that facilitate digital inclusion, identity, trust and agency
  - developing white papers outlining technical approaches, recommendations, concerns and challenges
  - making recommendations for development of educational material in industry and other relevant formats
  - exploring certification proposals to ICAP for certification materials and approaches
  - exploring development open source approaches and solutions

## **6. Funding Requirements**

Outline any contracted services or other expenses that are currently anticipated, beyond the basic support services provided to all IC activities. Indicate how those funds are expected to be obtained (e.g., through participant fees, sponsorships, government or other grants, etc.). Activities needing substantial funding may require additional reviews and approvals beyond ICCOM.

Industry Connections staff will provide standard support as made available to all IEEE-SA IC activities. Activity members will provide any needed support for hosted meetings, marketing activities that exceed basic IC support.

## **7. Management and Procedures**

### **7.1 IEEE Sponsoring Committee**

Indicate whether an IEEE sponsoring committee of some form (e.g., an IEEE Standards Sponsor) has agreed to oversee this activity and its procedures.

**Has an IEEE sponsoring committee agreed to oversee this activity?: NO**

IEEE collects personal data on this form, which is made publicly available, to allow communication by materially interested parties and with Sponsors and Activity officers who are responsible for IEEE work items.

### **7.2 Activity Management**

If no IEEE sponsoring committee has been identified in 7.1 above, indicate how this activity will manage itself on a day-to-day basis (e.g., executive committee, officers, etc).

- An executive committee (ExeCom) comprised of officers and workstream leaders.
- Quarterly ExeCom meetings.
- Bi-weekly staff and volunteer leadership coordination meetings.
- Actively aim to include a diverse group of global experts from industry, academia, governments, and NGOs.

### **7.3 Procedures**

Indicate what documented procedures will be used to guide the operations of this activity; either (a) modified baseline *Industry Connections Activity Policies and Procedures*, (b) Sponsor policies and procedures accepted by the IEEE-SA Standards Board, or (c) Working Group policies and procedures accepted by the Working Group's Sponsor. If option (a) is chosen, then ICom review and approval of the P&P is required. If option (b) or (c) is chosen, then ICom approval of the use of the P&P is required.

Will use the baseline Industry Connections Activity Policies and Procedures.

## **8. Participants**

### **8.1 Stakeholder Communities**

Indicate the stakeholder communities (the types of companies or other entities, or the different groups of individuals) that are expected to be interested in this IC activity, and will be invited to participate.

Specify types of entities or groups of individuals.

- The IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems
- Internet Identity Workshop (IIW)
- IEEE P7000 Working Group Members
- World Economic Forum

### **8.2 Expected Number of Participants**

Indicate the approximate number of entities (if entity-based) or individuals (if individual-based) expected to be actively involved in this activity.

Number of entities or number of individuals. Over time 120-150.

### **8.3 Initial Participants**

Provide a list of the entities or individuals that will be participating from the outset. It is recommended there be at least three initial participants for an entity-based activity, or five initial participants (each with a different affiliation) for an individual-based activity.

Use the following table for an individual-based activity:

<b>Individual</b>	<b>Employer</b>	<b>Affiliation</b>
Greg Adamson	University of Melbourne	IEEE SSIT
Sarbani Belur	Gram Marg	Gram Marg
Marcus Wigan	University of Melbourne	University of Melbourne
Josh Chin	Net Force	Net Force
Aurelie Jacquet	Consultant	Consultant
Nicholas Napp	XMark Labs	XMark Labs