

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

Version: 4.0, 13 August 2021

IC17-002-04 Approved by IESS SMDC 20 September 2021

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.
- 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

Employer: Digital Risk Innovation

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 Activity Oversight Committee 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.

The purpose of the “Dignity, Inclusion, Identity, Trust, and Agency” (DIITA) Industry Connections Program is to identify and build consensus around technologies that enable all people to engage in the cyber-physical world in such a manner that enables the preservation and/or active expression of:

- Dignity: We are treated with honor and respect;
- Inclusion: We can afford, access, and participate meaningfully in the digital domain in our diverse views, abilities, languages and cultures;
- Identity: We are known as we wish to be known;
- Trust: We are safe in our on-line engagement;
- 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 and emerging concerns 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
- Digital Resilience
- Trustworthy Implementations of Children's Online/Offline Experiences
- Meta Issues in Cybersecurity

3.3 Previously Published Material

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

Reihana Moheedin: the concept of 'Gender Equality and Social Inclusion (GESI) Mainstreaming' in development practice

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:

- Identity services
- Internet infrastructure
- Rural connectivity
- Gaming and social gaming
- Healthcare
- Social services delivery

3.5 How will the activity benefit the IEEE, society, or humanity?

This activity supports IEEE's goal of advancing technology for humanity by addressing emerging concerns and barriers to global access to cyberspace / digital world. 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: 03/2023

IC activities are chartered for two years at a time. Activities are eligible for extension upon request and review by ICCom and the responsible committee of the IEEE SA Board of Governors. 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:
 - creating roadmap documents and frameworks 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 for industry
 - exploring certification proposals to ICAP for certification materials and approaches
 - exploring development open source approaches and solutions

5.1 Open Source Software Development

Indicate whether this IC Activity will develop or incorporate open source software in the deliverables. All contributions of open source software for use in Industry Connections activities shall be accompanied by an approved IEEE Contributor License Agreement (CLA) appropriate for the open source license under which the Work Product will be made available. CLAs, once accepted, are irrevocable. Industry Connections Activities shall comply with the IEEE SA open source policies and procedures and use the IEEE SA open source platform for development of open source software. Information on IEEE SA Open can be found at <https://saopen.ieee.org/>.

Will the activity develop or incorporate open source software (either normatively or informatively) in the deliverables?: No open source software aspects included yet, though that is a possibility in the future.

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 ICom.

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 Activity Oversight Committee

Indicate whether an IEEE Standards Committee or Standards Development Working Group has agreed to oversee this activity and its procedures.

Has an IEEE Standards Committee or Standards Development Working Group agreed to oversee this activity?: NO

However, there has been collaboration with SSIT and other communities as relevant.

If yes, indicate the IEEE committee's name and its chair's contact information.

IEEE Committee Name: Committee Name

Chair's Name: Full Name

Chair's Email Address: who@where

Additional IEEE committee information, if any. Please indicate if you are including a letter of support from the IEEE Committee that will oversee this activity.

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7.2 Activity Management

If no Activity Oversight 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
- ExeCom meetings every 2 months.
- 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) Standards Committee policies and procedures accepted by the IEEE SA Standards

Board, or (c) Working Group policies and procedures accepted by the Working Group's Standards Committee. 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.

- The IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems

- Internet Identity Workshop (IIW)
- IEEE P7000 Working Group Members
- IEEE SSIT
- Association for Progressive Communications

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 50-75

8.3 Initial Participants

Provide a number 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 entity-based activity:

Entity	Primary Contact	Additional Representatives
Entity Name	Contact Name	Name

Use the following table for an individual-based activity:

Individual	Employer	Affiliation
Greg Adamson	Digital Risk Innovation	IEEE SSIT
Sarbani Belur	IIT Bombay	IIT Bombay
Marcus Wigan	University of Melbourne	University of Melbourne
Josh Chin	Net Force	Net Force
Aurelie Jacquet	Consultant	Consultant
Nicholas Napp	Xmark Labs	Xmark Labs
Ritu Srivasta	IIT Bombay	IIT Bombay
Harpal Singh Toor	Tech Mahindra GmbH Participation by Self	Self
Kit August		
Michelle Calabro		
Azim Lila	CIBC Bank	Self
Reihana Mohideen	University of Melbourne	Asian Development Bank

8.4 Activity Supporter/Partner

Indicate whether an IEEE committee (including IEEE Societies and Technical Councils) has agreed to participate or support this activity. Support may include, but is not limited to, financial support, marketing support and other ways to help the Activity complete its deliverables.

Has an IEEE Committee agreed to support this activity?: NO

If yes, indicate the IEEE committee's name and its chair's contact information.

IEEE Committee Name: Committee Name

Chair's Name: Full Name

Chair's Email Address: who@where

Please indicate if you are including a letter of support from the IEEE Committee.