

## Unapproved Industry Connections Committee (ICCom) Minutes

10 June 2025, 9:00 a.m. – 11:30 a.m. ET (UTC -5)

Teleconference

### 1. Call to Order; Roll Call (9:02 a.m.)

Members Present: Mark Epstein, James Formea, Richard Forselius, Guido Hiertz, Xiaohui Liu, Kevin Lu (chair), Maike Luiken, Robby Robson (Vice Chair), Dan Sabin, and Dorothy Stanley

Members Absent: Daleep Mohla, Howard Wolfman

Staff: Teresa Belmont, Karen Evangelista, Joshua Gay, John Havens, Yvette Ho Sang, Nitin Kumar, Maria Palombini, Moira Patterson, Shana Pepin, Dave Ringle, Rosalinda Saravia, Rudi Schubert, and Tony Zertuche

Guests: Chuck Adams, Kit August, John B., Isaac Bauer, Ricardo Chavarriaga, David Chen, Todor Cooklev, Rodney Cummings, Axel Deicke, Joseph Gess, Varadraj Gurupur, Quinn Hayden, Prashant Jemini, Ravinder Kumar, Wilson Lee, Ruth Lewis, Johnny Lin, Yang Liu, Can Luo, Ralf Ma, Souva Majumder, Narendra Mangra, Jack Marck, Ian Middleton, Ean Mikale, Ata Jahangir Moshayedi, Jon Rosdahl, Yael Rozencwajg, Mark Siira, Supriya Singh, Gary Stuebing, Rob Van Kranenburg, Josetxo Villanueva, Harry Wang, Esther Wu, Zihang Yin, Bob Zeidman, Baozhi Zhang, and Zongji Wang

### 2. Review and Approval of Agenda

There was a motion to approve the agenda (Liu), second (Luiken). No objections to unanimous approval.

### 3. Review and Approval of Minutes From 19 March 2025

<https://ieee-sa.imeetcentral.com/p/eAAAAAATDg5AAAAAFzA3NI>

There was a motion to approve the minutes (Robson), second (Liu). No objections to unanimous approval.

### 4. New ICAIDs

#### 4.1 IC25-003-01 Development of Evaluation Techniques for Multi-Agent System

ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAATDhIAAAAAF7Uey4>

Motion to recommend approval (Stanley), second (Luiken). The motion was approved unanimously.

#### 4.2 IC25-004-01 Data Centers: Standards Needs Analysis and Recommendations

ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAATDhoAAAAAEZNAtY>

Motion to recommend approval (Stanley), second (Luiken). The motion was approved unanimously.

4.3 **IC25-005-01 Promoting IEEE Standards on Power Line Communications With the Hybrid PLC/RF PHY**

ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATEW9AAAAAH4lg6Y>

Motion to recommend approval (Robson), second (Sabin). The motion was approved unanimously.

4.4 **IC25-006-01 Software Forensics Algorithms and Processes**

ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDhvAAAAADLOhUE>

Motion to recommend approval (Luiken), second (Stanley). The motion was approved unanimously.

4.5 **IC25-007-01 Integration of Digital and Physical Economy and Green Development**

ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDh0AAAAAEbHcMI>

Motion to recommend approval (Stanley), second (Luiken). The motion was approved unanimously.

5. **Renewed/Revised ICAIDs**

5.1 **IC17-002-06 Dignity, Inclusion, Identity, Trust, and Agency**

Approved ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDh2AAAAAMR2u8>

Renewed ICAID: [https://ieee-sa.imeetcentral.com/p/eAAAAAAATDh3AAAAAoHd\\_8](https://ieee-sa.imeetcentral.com/p/eAAAAAAATDh3AAAAAoHd_8)

Renewed ICAID Tracked Changes:

<https://ieee-sa.imeetcentral.com/p/eAAAAAAATDh6AAAAAGwWAAU>

Status Report: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDibAAAAAAMnj0>

Motion to recommend approval (Robson), second (Sabin) to renew IC17-002-06 Dignity, Inclusion, Identity, Trust, and Agency for one (1) year with the intent to find a pathway to graduation.

5.2 **IC17-007-05 Neuro Technologies for Brain-Machine Interfacing**

Approved ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDi7AAAAAGmfXDY>

Renewed ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDi9AAAAACPMWl8>

Renewed ICAID Tracked Changes:

<https://ieee-sa.imeetcentral.com/p/eAAAAAAATDi-AAAAAFbXlFO>

Status Report: [https://ieee-sa.imeetcentral.com/p/eAAAAAAATDi\\_AAAAABcR53l](https://ieee-sa.imeetcentral.com/p/eAAAAAAATDi_AAAAABcR53l)

Motion to recommend approval (Forselius), second (Luiken) to renew IC17-007-05 Neuro Technologies for Brain-Machine Interfacing for one (1) year with the intent to find a pathway to graduation.

5.3 **IC20-007-04 Global Artificial Intelligence Systems (AIS) Flourishing and Well-Being Initiative**  
(revision/name changed from the IEEE Global Artificial Intelligence Systems (AIS) Well-being Initiative)

Approved ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDjKAAAAAFMN3SI>

Renewed ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDjNAAAAAHeopZY>

Renewed ICAID Tracked Changes:

<https://ieee-sa.imeetcentral.com/p/eAAAAAAATDjLAAAAABf2GJ8>

Status Report: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDjMAAAAAADgQQHg>

Motion to recommend approval (Robson), second (Formea) of the name change. The motion was approved unanimously.

5.4 **IC21-005-03 Transdisciplinary Framework for 6G Enhanced Ecosystems, Smart Cities and Smart Rural Communities**  
(name changed from A Transdisciplinary Framework for 5G and Future Networks Applications and Services)

Approved ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDsSAAAAAHNJf40>

Renewed ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDsUAAAAAAbQ2Wc>

Renewed ICAID Tracked Changes:

<https://ieee-sa.imeetcentral.com/p/eAAAAAAATDsVAAAAAHC5j0c>

Status Report: [https://ieee-sa.imeetcentral.com/p/eAAAAAAATDsWAAAAABS\\_NW4](https://ieee-sa.imeetcentral.com/p/eAAAAAAATDsWAAAAABS_NW4)

Motion to recommend approval (Stanley), second (Hiertz). The motion was approved unanimously.

5.5 **IC23-005-02 Global Data Quality Standards for Electronic Health Records**  
(name changed from Data Quality Standards for Medical Records Workgroup International Data Quality Standards of Electronic Health Records)

Approved ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDjUAAAAAHF5nTg>

Renewed ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDjVAAAAADZ8tfl>

Renewed ICAID Tracked Changes:

<https://ieee-sa.imeetcentral.com/p/eAAAAAAATDjYAAAAA6VnNQ>

Status Report: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDjZAAAAAG6vc4>

Motion to recommend approval (Liu), second (Luiken). The motion was approved unanimously.

5.6 **IC23-006-02 Smart Identification in Internet of Things (IoT)**

Approved ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDjfAAAAAETDo9A>

Renewed ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDj1AAAAAEAsyww>

Renewed ICAID Tracked Changes:

<https://ieee-sa.imeetcentral.com/p/eAAAAAAATDj2AAAAA0oGYg>

Status Report: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDj3AAAAADhLGEM>

Motion to recommend approval (Forselius), second (Sabin). The motion was approved unanimously.

5.7 **IC23-008-02 Hybrid Quantum-Wave Internet Protocol (name changed from Hybrid Quantum-Inspired Internet Protocol)**

Approved ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDj3AAAAADhLGEM>

Renewed ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDj5AAAAAHvo9C0>

Renewed ICAID Tracked Changes:

<https://ieee-sa.imeetcentral.com/p/eAAAAAAATDj6AAAAAFcPvjQ>

Status Report: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDj7AAAAAHJ6nU>

Motion to recommend approval (Robson), second (Stanley). The motion was approved unanimously.

6. **New ICAID Discussions**

6.1 **User-Centered Principles for Artificial Intelligence Used in Evaluating Family Violence**

ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDhpAAAAAADWHYY>

This ICAID was presented for discussion. The ICCom recommendation is to defer and refine the ICAID for submission at the next ICCom meeting in September.

6.2 **Developing a Framework for a 6G Democratic Architecture**

ICAID: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATD02AAAAAA4CMDM>

This ICAID was presented for discussion. The ICCom recommendation is to defer and refine the ICAID for submission at the next ICCom meeting in September.

## 7. Activity Review and Status Reports

### 7.1 IC13-004 IEEE-SA Ethernet & IP @ Automotive Technology Day

Status Report: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDj8AAAAAHCe8sw>

There were no comments on this agenda item.

### 7.2 IC20-009 Nurturing the Era of end-to-end Mobility as a Service (MaaS): Standards for Connected and Autonomous Transportation

Status Report: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDj9AAAAAF2Frms>

The status report for IC20-009 was presented.

### 7.3 IC22-005 Enabling a Smart and Equitable Agriculture Ecosystem with Accessible Tech and Data Tools

Status Report: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATEBVAAAAFAOS4o>

There were no comments on this agenda item.

### 7.4 IC22-006 Best Practice Guide to Developing Ethically Aligned Standards

Status Report: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDj-AAAAA-29JE>

The status report for IC22-006 was presented.

### 7.5 IC23-002 Strengthening Telecom Standardization in India

Status Report: <https://ieee-sa.imeetcentral.com/p/eAAAAAAATDkAAAAAHhVLFM>

The status report for IC23-002 was presented. There were questions on the status report that was addressed by Nitin Kumar.

### 7.6 IC24-005 Promoting Standards on Digital and Green Technologies for ICT, Industry 4.0, and Smart Manufacturing

Status Report: [https://ieee-sa.imeetcentral.com/p/eAAAAAAATDkJAAAAAB\\_M2jI](https://ieee-sa.imeetcentral.com/p/eAAAAAAATDkJAAAAAB_M2jI)

The status report for IC24-005 was presented.

## 7.7 IC24-006 Timing in Data Centers

Status Report: <https://ieee-sa.imeetcentral.com/p/eAAAAAATDkBAAAAAD-KDe4>

The status report for IC24-006 was presented. There were discussions on the white paper.

## 7.8 IC24-007 AI in Digital Consumption Initiative

Status Report: <https://ieee-sa.imeetcentral.com/p/eAAAAAATDkEAAAAAWUtM0>

There were no comments on this agenda item.

## 7.9 IC24-008 Computing & Network Convergence Initiative

Status Report: <https://ieee-sa.imeetcentral.com/p/eAAAAAATDkHAAAAABz7WjU>

There were no comments on this agenda item.

## 7.10 IC24-009 Supporting IEEE Standards in Guangdong-Hong Kong-Macao Greater Bay Area

Status Report: <https://ieee-sa.imeetcentral.com/p/eAAAAAATDsXAAAAAHtizug>

The status report for IC24-009 was presented.

## 8. Graduating/Withdrawing/Closing ICAIDs

### 8.1 IC21-007 Ethical Assurance of Data-Driven Technologies for Mental Healthcare (completed deliverables)

IC21-007 Ethical Assurance of Data-Driven Technologies for Mental Healthcare IC activity closed.

### 8.2 IC22-007 6G Technology for Connectivity & Telecom Systems (closing as per chair's request and will merge with Open RAN [Radio Access Network] IC activity).

IC22-007 6G Technology for Connectivity & Telecom Systems closed.

## 9. Old Business

### 9.1 Metrics (Schubert)

<https://ieee-sa.imeetcentral.com/p/eAAAAAAATecNAAAAABTLosY>

Rudi Schubert presented metrics, IC activities by practice domain, global diversity, and IC scorecard. Industry Connections remain stable and getting a steady amount of ICAID submissions.

10. **New Business**

The Industry Connections program will have a brief presentation at the 2025 IEEE Technology and Engineering Management Society Conference Latin America (TEMSCON LATAM) on June 20.

11. **Next Meeting:** **September 11, 2025 at 9:00 AM ET**

12. **Adjournment**

There being no further business, the meeting was adjourned at 12:00 p.m. ET (UTC-5)