

IEEE SA STANDARDS BOARD (SASB) MEETING MINUTES 05 March 2020 Shangri-La's Eros Hotel, New Delhi, India 8:30 a.m. – 5:00 p.m.

Attendees

Chair: Gary Hoffman

Vice Chair: Jon Rosdahl

Past Chair: Jean-Philippe Faure (via phone)

Members:

Ted Burse (via phone) Doug Edwards Travis Griffith (via phone) Guido Hiertz (via phone) John Kulick David Law Kevin Lu Paul Nikolich [TAB Rep.] (via phone) Dorothy Stanley Mehmet Ulema (via phone) Lei Wang Sha Wei (via phone) Philip Winston (via phone) Daidi Zhong (via phone) Jingyi Zhou (via phone)

Members Absent:

Konstantinos Karachalios – Secretary Grace Gu Howard Li Dong Liu Damir Novosel

Joe Koepfinger, Member Emeritus

IEEE Staff:

Hermann Brand Srikanth Chandrasekaran Ravindra Desai Karen Evangelista Jodi Haasz Yvette Ho Sang Karen Kenney Soo Kim Munir Mohammed Dave Ringle, Recording Secretary Rudi Schubert Sam Sciacca Lisa Weisser

IEEE Outside Legal Counsel:

Claire Topp – Dorsey & Whitney LLP

Guests:

Robert Fish (via phone) Yoshiaki Fukami Hiroshi Mano Jim Matthews Niwedita Pathak Robby Robson (via phone) Bindoo Srivastava Don Wright Isamu Yamada

1 Call to Order

Chair Hoffman called the meeting to order at 8:33 a.m.

2 Introductions

There was a round of introductions by all present. It was noted that the meeting was quorate.

3 Agenda

3.1 Approval of Agenda

There was a motion to approve the agenda. In the absence of objection, the motion was approved.

- 3.2 Consent Agenda
- 3.2.1 Approval of 07 November 2019 SASB Meeting Minutes

3.2.2 AudCom Recommendations

Standards Committee P&Ps

Accepted (standards work authorized):

- CES/DFESC Consumer Electronics Society/Digital Finance and Economy Standards Committee
- IAS/IPCSD Industry Applications Society/Industrial Power Conversion Systems Department
- MTT/SCC Microwave Theory and Techniques Society/Standards Coordinating Committee

New Standards Committee Recognition with Accepted P&Ps

The SASB recognized the Consumer Electronics Society/Digital Finance and Economy Standards Committee, to be abbreviated as CES/DFESC, as an official Standards Committee, in accordance with IEEE SASB Bylaws 5.2.2.

The SASB recognized the Industry Applications Society/Industrial Power Conversion Systems Department, to be abbreviated as IAS/IPCSD, as an official Standards Committee, in accordance with IEEE SASB Bylaws 5.2.2.

3.2.3 ICCom Recommendations

New Industry Connections Activities:

IC20-001-01 Pre-Standardization Activities on Industrial AI ICAID ICAID: <u>https://ieee-sa.imeetcentral.com/p/eAAAAAAQ1_IAAAAABOzuKE</u> Recommendation: APPROVE

IC20-002-01 Intelligent Transportation Systems (ITS) Testbed ICAID ICAID: <u>https://ieee-sa.imeetcentral.com/p/eAAAAAAQ1_jAAAAAFpKZYc</u> Recommendation: APPROVE

IC20-003-01 AI Systems Governance for Cities ICAID: <u>https://ieee-sa.imeetcentral.com/p/eAAAAAAQ1_iAAAAABizfRA</u> Recommendation: Conditional Approval There was a motion to conditionally approve IC20-003-01 based on adding dates to section 5. This has now been completed.

IC20-004-01 Assessment of Standardization Gaps for Safe Automated Driving ICAID: <u>https://ieee-sa.imeetcentral.com/p/eAAAAAAQ4xSAAAAACvkb8U</u> Recommendation: APPROVE IC20-005-01 Global Initiative on Blockchain-Based Omnidirectional Pandemic Surveillance ICAID: <u>https://ieee-sa.imeetcentral.com/p/eAAAAAAAQ5IEAAAAAEqAGbQ</u> Recommendation: APPROVE

Revised/Renewed Industry Connections Activities:

IC16-002 Global Initiative on Ethics of Autonomous and Intelligent Systems ICAID: <u>https://ieee-sa.imeetcentral.com/p/eAAAAAAQ2fmAAAAACEUwtw</u> Recommendation: APPROVE

IC17-006 Big Data Governance and Metadata Management ICAID: <u>https://ieee-sa.imeetcentral.com/p/eAAAAAAQ4xWAAAAAHUbP5U</u> Recommendation: APPROVE

IC18-001 Facilities Joint Use ICAID: <u>https://ieee-sa.imeetcentral.com/p/eAAAAAAQ3bwAAAAAFhQBpY</u> Recommendation: APPROVE

Terminated ICAIDs: IC18-002 IP Security Program IC16-006 International Roadmap for Devices and Systems (IRDS)

Extension:

There was a motion to give the ICAID, **IC16-001** Open Data, an extension until 1 June 2020. Recommendation: APPROVF

3.2.4 NesCom Recommendations

Withdrawal Requests:

IEEE Engineering in Medicine and Biology Society/Standards Committee

P2721

Standard for Wireless Diabetes Device Security Assurance **Recommendation: Approve PAR withdrawal**

IEEE Reliability Society/IEEE Reliability

P1467

Standard for Reliability Growth **Recommendation: Approve PAR withdrawal**

IEEE Society on Social Implications of Technology/Social Implications of Technology Standards Committee

P7013

Inclusion and Application Standards for Automated Facial Analysis Technology **Recommendation: Approve PAR withdrawal**

Modified PARs:

IEEE Consumer Electronics Society/Standards Committee

P2049.1

Standard for Human Augmentation: Taxonomy and Definitions **Recommendation: Approve modified PAR**

P2049.2

Standard for Human Augmentation: Privacy and Security **Recommendation: Approve modified PAR**

P2049.3

Standard for Human Augmentation: Identity **Recommendation: Approve modified PAR**

P2049.4

Standard for Human Augmentation: Methodologies and Processes for Ethical Considerations

Recommendation: Approve modified PAR

P2788

Standard for Circulating Air Pressure Physiotherapy Equipment Used in the Home Healthcare Environment

Recommendation: Approve modified PAR

P2843 Standard for Measuring Accessibility Experience and Compliance Recommendation: Approve modified PAR

IEEE Vehicular Technology Society/Intelligent Transportation Systems

P1609.2.1

Wireless Access in Vehicular Environments (WAVE) – Certificate Management Interfaces for End-Entities **Recommendation: Approve modified PAR**

IEEE-SASB Coordinating Committees/SCC21 – Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage

P1547.3

Guide for Cybersecurity of Distributed Energy Resources Interconnected with Electric Power Systems **Recommendation: Approve modified PAR**

Extension Requests:

IEEE Power and Energy Society/Power System Communications and Cybersecurity

PC93.5

Standard for Power Line Carrier Transmitter/Receiver Equipment used to Transfer Discrete Teleprotection Signals

Recommendation: Approve request for an extension until December 2022

IEEE Power and Energy Society/Surge Protective Devices/High Voltage

PC62.11

Standard for Metal-Oxide Surge Arresters for AC Power Circuits (> 1 kV) Recommendation: Approve request for an extension until December 2020

New PARs:

IEEE Communications Society/Edge, Fog, Cloud Communications with IOT and Big Data Standards Committee

P1912

Standard for Privacy and Security Framework for Consumer Wireless Devices **Recommendation: Approve new PAR until December 2024**

IEEE Communications Society/Mobile Communication Networks Standards Committee

P2872

Standard for Interoperable and Secure Wireless Local Area Network (WLAN) Infrastructure and Architecture **Recommendation: Approve new PAR until December 2024**

IEEE Communications Society/Virtualized and Software Defined Networks, and Services Standards Committee

P1950.1

Standard for Communications Architectural Functional Framework for Smart Cities **Recommendation: Approve new PAR until December 2024**

P1951.1

Standard for Smart City Component Systems Discovery and Semantic Exchange of Objectives

Recommendation: Approve new PAR until December 2024

IEEE Consumer Electronics Society/Standards Committee

P2866.1

Standard for Device Trusted Extension: Software Architecture **Recommendation: Approve new PAR until December 2024**

P2867

Guide for Direct Current (DC) Power Transmitter of Wireless Charging for Kitchen Appliances

Recommendation: Approve new PAR until December 2024

P2868

Standard for Architectural Framework and Technical Requirements for Smart Display System

Recommendation: Approve new PAR until December 2024

P2876

Recommended Practice for Inclusion, Dignity and Privacy in Online Gaming **Recommendation: Approve new PAR until December 2024**

IEEE Electromagnetic Compatibility Society/Standards Development Committee

P2855

Recommended Practice for the Electromagnetic Characterization of Cable/Connector Assembly Shielding Effectiveness in Frequency Range of Direct Current to 40 GHz

Recommendation: Approve new PAR until December 2024

IEEE Engineering in Medicine and Biology Society/Standards Committee

P2621.1

Standard for Wireless Diabetes Device Security Assurance: Product Security Evaluation Program

Recommendation: Approve new PAR until December 2024

P2621.2

Standard for Wireless Diabetes Device Security Assurance: Protection Profile for Connected Diabetes Devices

Recommendation: Approve new PAR until December 2024

P2621.3

Standard for Wireless Diabetes Device Security Assurance: Guidance for Mobile Devices

Recommendation: Approve new PAR until December 2024

P2864

Guide for a Software Change Control System for Three-Dimensional (3D) Bioprinting of Tissue-Engineered Medical Products (TEMPs) **Recommendation: Approve new PAR until December 2024**

IEEE Power and Energy Society/Analytic Methods for Power Systems

P2869

Guide for the Synchronous Monitoring of Direct Current (DC) Bias Magnetic Current Distribution in Power Grid **Recommendation: Approve new PAR until December 2024**

IEEE Power and Energy Society/Power System Communications and Cybersecurity

PC37.238a

Standard Profile for Use of IEEE 1588 Precision Time Protocol in Power System Applications

Amendment 1: Adding a Type-Length-Value (TLV) to indicate the latest International Earth Rotation Service (IERS)-specified Universal Time Coordinated (UTC) Leap Second Event

Recommendation: Approve new PAR until December 2024

IEEE Power and Energy Society/Transformers

PC57.93a

IEEE Approved Draft Guide for Installation and Maintenance of Liquid-Immersed Power Transformers

Amendment: Cold Start of Power Transformers filled with Natural Ester Fluids **Recommendation: Approve new PAR until December 2024**

IEEE Power and Energy Society/Transmission and Distribution

P2870

Grip Test Method Guide for Fittings of High-Temperature, Low-Sag Overhead Conductor under Tension and Electric Current Co-Effect **Recommendation: Approve new PAR until December 2024**

P2871

Standard for Wedge-Shaped Groove Clamps Recommendation: Approve new PAR until December 2024

P751

Guide for Wood Structures Used for Overhead Electric Transmission Lines **Recommendation: Approve new PAR until December 2024**

IEEE Vehicular Technology Society/Rail Transportation Standards Committee

P1833

Guidelines for the Design of Direct Current Overhead Contact Systems for Transit Systems

Recommendation: Approve new PAR until December 2024

PARs for the Revision of Standards:

IEEE Computer Society/Software & Systems Engineering Standards Committee

P41062

Software Engineering – Life Cycle Processes – Software Acquisition Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power and Energy Society/Energy Development & Power Generation

P1095

Guide for the Installation of Vertical Generators and Generator/Motors for Hydroelectric Applications

Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power and Energy Society/Insulated Conductors

P1637

Guide for Selection and Application of Terminations for Shielded Alternating-Current Power Cable Rated 5 kV – 46 kV

Recommendation: Approve PAR for the revision of a standard until December 2024

P82

Standard Test Procedure for Impulse Voltage Tests on Insulated Conductors Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power and Energy Society/Switchgear

PC37.41

Standard for Design Tests and Specifications for High-Voltage (> 1000 V) Fuses and Accessories

Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power and Energy Society/Transformers

PC57.12.28

Standard for Pad-Mounted Equipment – Enclosure Integrity Recommendation: Approve PAR for the revision of a standard until December 2024

PC57.12.29

Standard for Pad-Mounted Equipment – Enclosure Integrity for Coastal Environments

Recommendation: Approve PAR for the revision of a standard until December 2024

PC57.12.52

Standard for Sealed Dry-Type Distribution and Power Transformers Recommendation: Approve PAR for the revision of a standard until December 2024

PC57.146

Guide for Interpretation of Gases Generated in Silicone-Immersed Transformers Recommendation: Approve PAR for the revision of a standard until December 2024

PC57.163

Guide for Establishing Power Transformer Capability while under Geomagnetic Disturbances

Recommendation: Approve PAR for the revision of a standard until December 2024

IEEE Power and Energy Society/Transmission and Distribution

P1308

Recommended Practice for Instrumentation: Specifications for Magnetic Flux Density and Electric Field Strength Meters – 10 Hz to 3 kHz **Recommendation: Approve PAR for the revision of a standard until December 2024**

P563

Guide on Conductor Self-Damping Measurements Recommendation: Approve PAR for the revision of a standard until December 2024

P664

Guide for Laboratory Measurement of the Power Dissipation Characteristics of Aeolian Vibration Dampers for Single Conductors

Recommendation: Approve PAR for the revision of a standard until December 2024

Standard for Calculating the Current-Temperature Relationship of Bare Overhead Conductors

Recommendation: Approve PAR for the revision of a standard until December 2024

P824

Standard for Series Capacitor Banks in Power Systems Recommendation: Approve PAR for the revision of a standard until December 2024

PC135.62

Standard for Zinc-Coated Forged Anchor Shackles Recommendation: Approve PAR for the revision of a standard until December 2024

3.2.5 RevCom Recommendations

NEW

IEEE Computer Society/Cybersecurity and Privacy Standards Committee

P2790/Draft 2790

IEEE Draft Standard for Biometric Liveness Detection <u>Recommendation</u>: APPROVE

IEEE Computer Society/Standards Activities Board

P2418.2/Draft D2

IEEE Draft Standard Data Format for Blockchain Systems <u>Recommendation</u>: APPROVE

IEEE Industry Applications Society/Industrial & Commercial Power Systems Standards Development Committee

P3001.4/Draft D3 IEEE Draft Recommended Practice for Estimating the Costs of Industrial and Commercial Power Systems <u>Recommendation</u>: APPROVE

IEEE Power and Energy Society/Power System Relaying and Control

PC37.250/Draft D1.30

IEEE Draft Guide for Engineering, Implementation, and Management of System Integrity Protection Schemes <u>Recommendation</u>: APPROVE

IEEE Power and Energy Society/Switchgear

PC37.20.1a/Draft PC37.20.1a D7

IEEE Draft Standard for Metal-Enclosed Low-Voltage (1000 Vac and below, 3200 Vdc and below) Power Circuit Breaker Switchgear Amendment 1: Control and Secondary Circuits and Devices, and All Wiring <u>Recommendation</u>: APPROVE

PC37.20.2a/Draft PC37.20.2a D9

IEEE Draft Standard for Metal-Clad Switchgear Amendment 1: Control and Secondary Circuits and Devices, and All Wiring <u>Recommendation</u>: APPROVE

PC37.21a/Draft PC37.21a D7

IEEE Draft Standard for Control Switchboards Amendment 1: Control and Secondary Circuits and Devices, and All Wiring <u>Recommendation</u>: APPROVE

IEEE Power and Energy Society/Transmission and Distribution

PC135.80-2012/Cor 1/Draft 1

IEEE Draft Standard for Fasteners for Overhead Line Construction – Corrigendum 1: Table 5 – Dimensions of Hex Nuts <u>Recommendation</u>: APPROVE

IEEE Systems, Man, and Cybernetics Society/Standards Committee

P7010/Draft 4

IEEE Draft Recommended Practice for Assessing the Impact of Autonomous and Intelligent Systems on Human Well-Being <u>Recommendation</u>: APPROVE

IEEE-SASB Coordinating Committees/SCC21 – Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage

P1547a/Draft 1.4

Standard for Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power Systems Interfaces

Amendment to IEEE Std 1547-2018 to Provide More Flexibility for Adoption of Abnormal Operating Performance Category III

Recommendation: Conditional Approval

There was a motion to conditionally approve P1547a based upon receipt of the copyright permissions.

REVISION

IEEE Computer Society/Learning Technology

P1484.12.3/Draft P1484.12.3_D2

IEEE Draft Standard for Extensible Markup Language (XML) Schema Definition Language Binding for Learning Object Metadata <u>Recommendation</u>: APPROVE

IEEE Power Electronics Society/Standards Committee

P389/Draft P389_D2019DEC

IEEE Draft Recommended Practice for Testing Transformers and Inductors for Electronics Applications <u>Recommendation</u>: APPROVE

IEEE Power and Energy Society/Energy Development & Power Generation

P1248/Draft 15

IEEE Draft Guide for the Commissioning of Electrical Systems in Hydroelectric Power Plants Personmondation: APPROVE

Recommendation: APPROVE

IEEE Power and Energy Society/Energy Storage & Stationary Battery Committee

P1679/Draft D5

Recommended Practice for the Characterization and Evaluation of Energy Storage Technologies in Stationary Applications <u>Recommendation</u>: APPROVE

IEEE Power and Energy Society/Transmission and Distribution

P1036/Draft D9

IEEE Draft Guide for the Application of Shunt Power Capacitors <u>Recommendation</u>: APPROVE

IEEE-SASB Coordinating Committees/SCC21 – Fuel Cells, Photovoltaics, Dispersed Generation, and Energy Storage

P1547.1/Draft D9.9

IEEE Draft Standard Conformance Test Procedures for Equipment Interconnecting Distributed Energy Resources with Electric Power Systems and Associated Interfaces <u>Recommendation</u>: APPROVE

3.2.6 Standards for Transfer to Inactive-Reserved Status

836-2009 AES/GA IEEE Recommended Practice for Precision Centrifuge Testing of Linear Accelerometers

2600.1-2009 C/CPSC IEEE Standard for a Protection Profile in Operational Environment A

2600.2-2009 C/CPSC IEEE Standard Protection Profile for Hardcopy Devices in IEEE Std 2600-2008 Operational Environment B

2600.3-2009 C/CPSC IEEE Standard Protection Profile for Hardcopy Devices in IEEE Std 2600-2008 Operational Environment C

802.15.5-2009 C/LM IEEE Recommended Practice for Information Technology – Telecommunications and Information Exchange between Systems – Local and Metropolitan Area Networks – Specific Requirements Part 15.5: Mesh Topology Capability in Wireless Personal Area Networks (WPANs)

1394.1-2004 C/MSC IEEE Standard for High Performance Serial Bus Bridges

1621-2004 C/MSC IEEE Standard for User Interface Elements in Power Control of Electronic Devices Employed in Office/Consumer Environments

1061-1998 C/S2ESC IEEE Standard for a Software Quality Metrics Methodology

1016-2009 C/S2ESC IEEE Standard for Information Technology – Systems Design – Software Design Descriptions

1044-2009 C/S2ESC IEEE Standard Classification for Software Anomalies

1680-2009 C/SAB IEEE Standard for Environmental Assessment of Electronic Products

1450.6.1-2009 C/TT IEEE Standard for Describing On-Chip Scan Compression

1900.4-2009 COM/DySPAN-SC IEEE Standard for Architectural Building Blocks Enabling Network-Device Distributed Decision Making for Optimized Radio Resource Usage in Heterogeneous Wireless Access Networks

1902.1-2009 COM/SDB IEEE Standard for Long Wavelength Wireless Network Protocol

1783-2009 DEI/SC IEEE Guide for Test Methods and Procedures to Evaluate the Electrical Performance of Insulators in Freezing Conditions

C62.64-2009 PE/SPDLV IEEE Standard Specifications for Surge Protectors Used in Low-Voltage Data, Communications, and Signaling Circuits

951-1996 PE/T&D IEEE Guide to the Assembly and Erection of Metal Transmission Structures

1217-2001 PE/T&D IEEE Guide for Preservative Treatment of Wood Distribution and Transmission Line Structures

C57.111-1989 PE/TR IEEE Guide for Acceptance of Silicone Insulating Fluid and Its Maintenance in Transformers

C57.121-1998 PE/TR IEEE Guide for Acceptance and Maintenance of Less-Flammable Hydrocarbon Fluid in Transformers

488.1-2003 SASB/SCC20 IEEE Standard For Higher Performance Protocol for the Standard Digital Interface for Programmable Instrumentation

771-1998 SASB/SCC20 IEEE Guide to the Use of the ATLAS Specification

1174-2000 SASB/SCC20 IEEE Standard Serial Interface for Programmable Instrumentation

1628-2009 VT/RTSC IEEE Recommended Practice for Maintenance of DC Overhead Contact Systems for Transit Systems

1698-2009 VT/RTSC IEEE Guide for the Calculation of Braking Distances for Rail Transit Vehicles

4 SASB Responsibilities and Fiduciary Duty

Claire Topp presented.

5 Appointment of the SASB Vice Chair

There were four candidates who had been nominated and accepted the nomination:

Ted Burse, Doug Edwards, Paul Nikolich, and Jon Rosdahl.

The SASB conducted an email ballot.

The initial ballot resulted in a tie between two candidates.

The SASB conducted an email runoff ballot.

The result was announced after item 8.1.

Jon Rosdahl was appointed as the SASB Vice Chair. There was a round of applause for Jon.

6.1 Audit Committee (<u>AudCom</u>)

This item occurred after item 10.2.

John Kulick, AudCom Chair, reported.

6.2 Industry Connections Committee (ICCom)

Kevin Lu, ICCom Chair, reported.

6.3 New Standards Committee (<u>NesCom</u>)

Dorothy Stanley, NesCom Chair, reported.

6.4 Patent Committee (PatCom)

David Law, PatCom Chair, reported.

6.5 Procedures Committee (ProCom)

Dorothy Stanley, Acting ProCom Chair, reported.

6.6 Standards Review Committee (<u>RevCom</u>)

Jon Rosdahl, Acting RevCom Chair, reported.

7 Standards Coordinating Committee Reports

7.1 SCC Coordinator's Report

Mehmet Ulema, SCC Coordinator, reported.

There was a motion to accept the submitted reports from SCC04, SCC20, and SCC22. In the absence of objection, the motion was approved.

- 7.2 Scheduled Reports Due in March:
- 7.2.1 SCC04 Electrical Insulation
- 7.2.2 SCC20 Test and Diagnosis for Electronic Systems
- 7.2.3 SCC22 Power Quality

8 Old Business

8.1 <u>Update RE: P802.11ax</u>

Dorothy Stanley, 802.11 Chair, reported.

9 New Business

9.1 IEEE SA N&A Asks of SASB

Jim Matthews, N&A Chair, reported.

IEEE SA President Robert Fish noted that anyone who is interested in joining a BOG Strategic Management and Delivery Committee (SMDC) may contact him.

9.2 SASB Ad Hoc RE: Globalization of the SASB

Dorothy Stanley provided a verbal report.

- Expand opportunities for leadership and participation in SASB and its standing committees
- Ad hoc (to be formed) will be open to SASB Members and SASB standing committee members. Chair Hoffman will initiate the call for participants.
- 9.3 New Delhi Outreach Report

Sri Chandrasekaran, Senior Director – Standards & Technology, reported.

Chair Hoffman thanked Sri, Munir Mohammed, Ravindra Desai, and all of the participants for an outstanding outreach program.

Chair Hoffman thanked all of the Fellowship Program participants for their attendance and participation. He also asked folks to consider submitting candidate forms for SASB (and committees).

10 Informational Reports

10.1 IEEE SA Managing Director's Report

The Managing Director's Report was provided in the SASB document repository.

10.2 IEEE SA President's <u>Report</u> [*Time-Specific: 09:15 a.m.*]

This item occurred at 9:00 a.m. after item 5.

IEEE SA President Robert Fish presented.

10.3 CAG <u>Report</u>

Don Wright, SASB Liaison to the CAG, reported.

10.4 <u>TAB Committee on Standards</u>

Jon Rosdahl reported.

10.5 SASB Chair's Report

Chair Hoffman reported.

Chair Hoffman presented plaques to Karen Kenney and Sam Sciacca, who are both retiring soon; this is their last in-person SASB meeting series.

Presented to Karen Kenney in appreciation and recognition for outstanding service and dedication to the IEEE SA Standards Board during her career, including as Senior Director in charge of IEEE SA governance and IEEE SA meeting planning. In addition, Karen is recognized for her many years as a Member of PatCom.

Presented to Sam Sciacca in appreciation and recognition for outstanding service and dedication to the IEEE SA Standards Board during his career, including as Senior Director in charge of IEEE SA governance, IEEE SA publishing and education, and IEEE SA operational program management.

11 <u>Next Meeting</u>

The next SASB meeting is scheduled for Wednesday, 03 June 2020, in Berlin, Germany.

There will be a meeting of the BOG's Strategic Planning Coordination Committee (SPCC) on 13 March to discuss contingency planning.

12 SASB Resolutions

The SASB recognized the Consumer Electronics Society/Digital Finance and Economy Standards Committee, to be abbreviated as CES/DFESC, as an official Standards Committee, in accordance with IEEE SASB Bylaws 5.2.2.

The SASB recognized the Industry Applications Society/Industrial Power Conversion Systems Department, to be abbreviated as IAS/IPCSD, as an official Standards Committee, in accordance with IEEE SASB Bylaws 5.2.2.

13 Adjournment

There being no further business, the meeting was adjourned at 11:40 a.m.