Standards Activities Board
Standards Committee (SAB SC)

Minutes recorded by Wei Hong, Secretary and Treasurer of SAB SC

9:00am ET to 10:42am ET
September 27, 2022
Participation reminder

- IEEE Call for patents
- IEEE SA Copyright Policy
- IEEE SA Participation Slides

- IEEE Computer Society Standards Activities Board Standards Committee P&P
- IEEE Computer Society Policies and Procedures Manual (Section 10)
- IEEE Computer Society Standards Activities Board Standards Committee Conventions
Agenda

- Call to order and Participation reminder
- Approval of agenda and past meeting minutes
- Status of Working Groups, PAR Study Group and ad-hoc
- Deadline for submitting new/revised PARs
- A new PAR proposal on shape expressions
- Co-standards committee best practices guide
- A new PAR proposal on quantum computing
- A new Standards Committee proposal on knowledge graph
- Any other business
Minutes

- Call to order
  - Meeting called to order at 9:00 am ET

- Establish quorum
  - 5 out of 7 members in attendance
  - Quorum established

- IEEE Policies
  - Call for patents completed
    - No potential essential patents claimed
  - Reminded of the copyright policy and individual participation
## Attendance

### Members
- Edward Au, Huawei Canada/Self, Chair
- Wei Hong, Xiaomi, Secretary and Treasurer
- Dennis Brophy, Siemens EDA
- Mike Montemurro, Huawei
- Annette Reilly, Self

### Staff
- Jonathan Goldberg, IEEE SA

### Guests
- Silona Bonewald
- Zhihui Guo
- Jianhui Li
- Ruiqi Li
- Jim Peng
- Eric Prud'hommeaux
- Kat Thornton
- Mark Underwood
- Feng Wang
- Weiguang Wang
- Fan Yang
Approval of past meeting minutes

- **Motion**: Move to approve the meeting minutes of the C/SAB Standards Committee meeting on August 30, 2022
  - [https://ieee-sa.imeetcentral.com/p/aQAAAAAE-Tzr](https://ieee-sa.imeetcentral.com/p/aQAAAAAE-Tzr)

- Move: Wei Hong
- Second: Dennis Brophy
- Discussion: None
- Result: Approved with unanimous consent (5 voting members on the call)
The following PAR extensions were approved by IEEE SA SASB on September 21, 2022. The expiry date of both PARs are now December 31, 2024

- Ledger Technology in Agriculture Working Group
  - P2418.3 (Standard for the Framework of Distributed Ledger Technology (DLT) Use in Agriculture)

- Quantum Computing Benchmark Working Group
  - P7131 (Standard for Quantum Computing Performance Metrics & Performance Benchmarking)
The following PAR withdrawal was approved by IEEE SA SASB on September 21, 2022.

- Smart Legal Contracts WG
  - P2963 (Data Formats for Smart Legal Contracts)
The following new PARs were approved by IEEE SA SASB on September 21, 2022. The PAR expiry dates are December 31, 2026.

- Human Factors for Immersive Content Working Group
  - P3079.2.2 (Standard for UI (User Interface)/UX (User Experience) Framework for Motion Training)
  - P3079.3.1 (Standard for Service Application Programming Interfaces (APIs) for Digital Human Authoring and Visualization)

- Hybrid Quantum-Classical Computing Working Group
  - P3185 (Standard for Hybrid Quantum-Classical Computing)

- Virtual e-card Working Group
  - P3188 (Standard for Virtual E-card Platform)

- Open Source Software Project Governance Working Group
  - P3190 (Recommended Practice for Open Source Software Project Governance)

- Ontology Standards Working Group
  - P3195 (Standard for Requirements for a Mid-Level Ontology and Extensions)
  - P3195.1 (Standard for Common Core Ontology (CCO))
  - P3195.1.1 (Standard for Cyber Ontology)
The following draft standards were approved by IEEE SA SASB on September 21, 2022.

- Knowledge Graph Working Group
  - P2807 (Framework of Knowledge Graphs)
- PowerKG Working Group
  - P2807.3 (Guide for Electric-Power-Oriented Knowledge Graph)
Status of Working Groups, PAR Study Group, and ad-hoc (5)

- **Initial SA ballot begins:**
  - Human Factors for Visual Experiences Working Group
    - P3333.1.1 (Standard for Quality of Experience (QoE) and Visual-Comfort Assessments of Three-Dimensional (3D) Contents Based on Psychophysical Studies)
      - Ballot closed on July 10, 2022 with 75% response rate and 77% approval.
      - Public review closed on July 25, 2022.
    - P3333.1.2 (Standard for the Perceptual Quality Assessment of Three Dimensional (3D), Ultra High Definition (UHD) and High Dynamic Range (HDR) Contents)
      - Ballot closed on July 26, 2022 with 78% response rate and 100% approval.
      - Public review closed on July 25, 2022.
Status of Working Groups, PAR Study Group, and ad-hoc (6)

Initial SA ballot begins (cont’d):

- Human factors for the Quality Assessment of Light Field Imaging Working Group
  - P3333.1.4 (Standard for the Quality Assessment of Light Field Imaging)
  - Ballot closed on August 20, 2022, with 81% response rate and 100% approval.
  - Public review closed on September 19, 2022.
  - Recirculation ballot is scheduled to close on September 26, 2022.
  - It is now placed on RevCom agenda on October 25, 2022.
As of September 26, 2022, we have:

- 21 Working Groups with active projects
  - 40 active PARs (35 new PARs + 5 revision PARs)
    - 1 new PAR and 2 revision PARs in SA ballot phase
    - 1 new PAR is on RevCom agenda
- 1 PAR Study Group
- 16 published standards
  - 1 expired on December 31, 2021
    - 1622-2011
  - 4 expiring in December 2022
    - 1680.2-2012, 1680.3-2012, 1680.2a-2017, 1680.3a-2017
Status of Working Groups, PAR Study Group, and ad-hoc (8)

- Update on the C/SAB SC documents
  - Working Group and PAR Study Group status (2022/09/26)
  - Compendium of motions 2022 (2022/08/30)
Status of Working Groups, PAR Study Group, and ad-hoc (9)

- Reminder to Working Group and PAR Study Group officers that the following actions require approval by the Standards Committee:
  - Election of Working Group Chair and Vice Chair(s);
  - Beginning an IEEE Standards Association ballot for a draft standard;
  - Submission of a new PAR;
  - Modification to a PAR;
  - Modification to the Working Group Policies and Procedures;
  - Removal of an officer.
# Deadline for submitting PARs for consideration

<table>
<thead>
<tr>
<th>SAB SC deadline</th>
<th>Nescom deadline</th>
<th>Nescom meeting</th>
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<tr>
<td>January 21</td>
<td>February 11</td>
<td>March 22 to 24</td>
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<td>February 24</td>
<td>March 17</td>
<td>April 27</td>
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<td>April 15</td>
<td>May 6</td>
<td>June 14 to 16</td>
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<td>July 21</td>
<td>August 11</td>
<td>September 19 to 22</td>
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<td>August 24</td>
<td>September 14</td>
<td>October 25</td>
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<td>September 22</td>
<td>October 13</td>
<td>December 1 to 3</td>
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<td>November 22</td>
<td>TBD (2023)</td>
<td>TBD (2023)</td>
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# Status Update from WG/PAR SG (1)

<table>
<thead>
<tr>
<th>SAB SC meeting</th>
<th>Scheduled WG/PAR SG status presentation</th>
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| March 1        | • Knowledge Graph  
                 • Knowledge Graph Verification |
| April 19       | • XML Musical Application  
                 • Internet of Food |
| May 24         | • Human factors for the Quality Assessment of Light Field Imaging  
                 • Human Factors for Visual Experiences  
                 • PowerKG  
                 • Quantum Computing Nomenclature |
### Status Update from WG/PAR SG (2)

<table>
<thead>
<tr>
<th>SAB SC meeting</th>
<th>Scheduled WG/SG status presentation</th>
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| June 21              | • Quantum Computing Benchmarking  
                        | • Ledger Technology in Agriculture                                           |
| July 26              | • Open Source Governance  
                        | • Human Factors for Immersive Content                                       |
| August 30            | • Interfacing Cyber and Physical World  
                        | • Financial Knowledge Graph                                                 |
| September 27         | • Big Data Governance and Metadata Management  
                        | • Intelligent Cities Operation System                                        |
| November 29          | • Mini-program Architecture and Technical Requirements  
                        | • Talent Management  
                        | • Trusted Data Matrix                                                       |
First Round New PAR review on shape expressions

- **P3230**: Standard for Shape Expression Schemas
  - Presented by Eric Prud'hommeaux (W3C)
  - It is a new PAR request from individuals

- **Motion 2022-034**: Approve forwarding the PAR documentation entitled “P3230 Standard for Shape Expression Schemas” to IEEE SASB NesCom
  - Move: Michael Montemurro
  - Second: Dennis Brophy
  - Discussion: None.
  - Result: Approved (4 Yes, 0 No, 0 Abstain, 1 Do not vote)
Co-standards committee best practices guide

- IEEE SA Overview & Best Practices for Standards Development with Co-Standards Committees
  - Presented by Jonathan Goldberg
  - Status of co-standards committees as of 23 September 2022
First Round New PAR review on quantum computing

- **P3120.1**: Standard for Quantum Simulator Architecture
  - Note: It is a request from Nanotechnology Council to invite us to be a co-Standards Committee.

- **Motion 2022-035**: Approve accepting the invitation from the Nanotechnology Council for the Computer Society Standards Activities Board Standards Committee to be a co-Standards Committee of P3120.1 PAR: Standard for Quantum Simulator Architecture.
  - Move: Dennis Brophy
  - Second: Wei Hong
  - Discussion: None.
  - Result: Approved (4 Yes, 0 No, 0 Abstain, 1 Do not vote)
Proposal on a new Standards Committee

- A proposal to establish a new Knowledge Engineering Standards Committee in Computer Society
  - Proposed baseline P&P
  - Proposed scope with respect to C/AISC and C/BDLSC
  - Presented by Ruiqi Li (CESI)
Any other business

- Tentative agenda items for the November 29th meeting:
  - Review and update the Standards Committee P&P
## Annex 1: Officer information

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Employed</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>Chair</td>
<td>Edward Au</td>
<td>Huawei Canada</td>
<td>Self</td>
</tr>
<tr>
<td>Vice Chair</td>
<td>Jon Rosdahl</td>
<td>Qualcomm</td>
<td>Qualcomm</td>
</tr>
<tr>
<td>Secretary (and Treasurer)</td>
<td>Wei Hong</td>
<td>Xiaomi</td>
<td>Xiaomi</td>
</tr>
<tr>
<td>Members</td>
<td>Dennis Brophy</td>
<td>Siemens EDA</td>
<td>Siemens EDA</td>
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<tr>
<td></td>
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<tr>
<td></td>
<td>Robby Robson</td>
<td>Eduworks</td>
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<tr>
<td>Staff (PM)</td>
<td>Jonathan Goldberg</td>
<td>IEEE SA</td>
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<tr>
<td>Staff (PM)</td>
<td>Soo Kim</td>
<td>IEEE SA</td>
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