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
- Decision needed for Smart Legal Contracts WG
- New PAR Study Group proposal on Metaverse
- Status update from Quantum Computing Benchmark Working Group + Revised PAR review
- Status update from Ledger Technology in Agriculture Working Group + Revised PAR review
- New PAR review on quantum computing
- Introduction to new ontology PAR proposals
- Any other business
Minutes

- Call to order
  - Meeting called to order at 9:01 am ET
- Establish quorum
  - 7 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
- Jon Rosdahl, Qualcomm, Vice Chair
- Wei Hong, Xiaomi, Secretary and Treasurer
- Dennis Brophy, Siemens EDA
- Mike Montemurro, Huawei
- Annette Reilly, Self, ex-officio
- Robby Robson, Eduworks, ex-officio

Guests
- Jonathan J. Attia, Feynman Foundation
- Gilles Ceyssat, EVIDENC3
- Hui Ding, Chaincomp
- Ron Rudnicki, Self
- Jim Schoening, Self
- Feng Wang, Haier

Staff
- Jonathan Goldberg, IEEE SA
- Soo Kim, IEEE SA
- Silona Bonewald, IEEE SA
Approval of past meeting minutes

- **Motion:** Move to approve the meeting minutes of the C/SAB Standards Committee meeting on May 24, 2022:
  - [https://ieee-sa.imeetcentral.com/p/aQAAAAAE89ks](https://ieee-sa.imeetcentral.com/p/aQAAAAAE89ks)

- Move: Wei Hong, Xiaomi
- Second: Mike Montemurro, Huawei
- Result: Approved with unanimous consent (6 voting members on the call)
Initial SA ballot begins:

- Knowledge Graph Working Group
  - P2807 (Framework of Knowledge Graphs)
    - Ballot closed on May 27, 2022, with 87% response rate and 100% approval
    - Public review is ongoing and is scheduled to close on June 26, 2022

- 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 is scheduled to close on June 25, 2022.
    - Public review is scheduled to close 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 is scheduled to close on June 25, 2022.
    - Public review is scheduled to close on July 25, 2022.
Status of Working Groups, PAR Study Group, and ad-hoc (2)

- **Initial SA ballot begins (cont’d):**
  - PowerKG Working Group
    - P2807.3 (Guide for Electric-Power-Oriented Knowledge Graph)
      - Ballot is scheduled to close on July 14, 2022.
      - Public review is scheduled to close on August 13, 2022.

- **SA ballot group for the following active PAR is established:**
  - Human factors for the Quality Assessment of Light Field Imaging Working Group
    - P3333.1.4 (Standard for the Quality Assessment of Light Field Imaging)
Status of Working Groups, PAR Study Group, and ad-hoc (3)

- The following PAR extension requests are approved by IEEE SASB on June 16, 2022:
  - Working Group for XML Musical Application
    - P1599 (Recommended Practice for the Definition of a Multilayer Representation of Music Using eXtensible Markup Language (XML))
  - Internet of Food
    - P2796 (Standard for Framework for the Internet of Food (IoF))
    - P2796.1 (Standard for Data Requirements for Internet of Food (IoF) Systems)
    - P2796.2 (Standard for Data Exchange Architecture and Interface Requirements for Internet of Food (IoF) Systems)
Status of Working Groups, PAR Study Group, and ad-hoc (4)

- The following revision PARs are approved by IEEE SASB on June 16, 2022:
  - Standard for Environmental Assessment of Imaging Equipment and Television Working Group
    - P1680.2 (Standard for Environmental Assessment of Imaging Equipment)
    - P1680.3 (Standard for Environmental Assessment of Televisions)
Status of Working Groups, PAR Study Group, and ad-hoc (5)

As of June 16, 2022, we have:
- 26 Working Groups
  - 20 with active projects
    - 35 active PARs
      - 30 new PARs; 5 revision PARs (including 1 on Nescom agenda)
    - 6 with no active projects
- 1 PAR Study Group
- 1 ad-hoc Group
- 14 published standards
  - 1 expired on December 31, 2021
  - 2 expiring in December 2022
Status of Working Groups, PAR Study Group, and ad-hoc (6)

- Update on the C/SAB SC documents
  - Working Group, PAR Study Group and ad-hoc status (2022/06/16)
  - Compendium of motions 2022 (2022/05/24)
Status of Working Groups, PAR Study Group, and ad-hoc (7)

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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<tbody>
<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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- Refer to Annex 2 for the call for opinions on encouraging best practice for PAR review.
Decision needed for Smart Legal Contracts WG

- The Chair of Data Formats for Smart Legal Contracts WG for the active PAR, P2963 (Data Formats for Smart Legal Contracts), is still unreachable for more than a year.

- **Motion 2022-021**: Approve to withdraw the P2963 PAR (Data Formats for Smart Legal Contracts) with the following reason “The Chair of Data Formats for Smart Legal Contracts WG for the active PAR, P2963 (Data Formats for Smart Legal Contracts), is unreachable for more than a year, and no individual is willing to step up to start the project” and disband the Data Formats for Smart Legal Contracts WG.
  - Move: Jon Rosdahl, Qualcomm
  - Second: Robby Robson, Eduworks
  - Result: Approved (5 Yes, 0 No, 0 Abstain, 1 Do not vote)
New PAR Study Group proposal on Metaverse (1)

- **Thought of Metaverse standardization**
  - Presented by Ming Li (CESI)

- **IEEE Metaverse-related Activities Report**
  - Information prepared by Jonathan Goldberg
New PAR Study Group proposal on Metaverse (2)

**Motion 2022-023**: Approve formation of a PAR Study Group on Metaverse to determine whether sufficiently diverse interest and adequate resources exist to develop an IEEE draft standard on Metaverse, and if so, to develop a draft PAR for the proposed project. The PAR Study Group follows individual based participation and operates following [IEEE Computer Society Standards Activities Board Standards Committee P&P](https://www.ieee.org/). 

- Move: Robby Robson, Eduworks
- Second: Mike Montemurro, Huawei
- Result: Approved (5 Yes, 0 No, 0 Abstain, 1 Do not vote)
## 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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</table>
| 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>
</tr>
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<tbody>
<tr>
<td>June 21</td>
<td>• Quantum Computing Benchmarking</td>
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<td></td>
<td>• Ledger Technology in Agriculture</td>
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<tr>
<td>July 26</td>
<td>• Open Governance</td>
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<td></td>
<td>• Cybersickness Reduction</td>
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<tr>
<td>August 30</td>
<td>• Interfacing Cyber and Physical World</td>
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<td>• Big Data Governance and Metadata Management</td>
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<td></td>
<td>• Mini-program Architecture and Technical Requirements</td>
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<td>September 27</td>
<td>• Intelligent Cities Operation System</td>
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<td></td>
<td>• Financial Knowledge Graph</td>
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<tr>
<td>November 29</td>
<td>• Talent Management</td>
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<tr>
<td></td>
<td>• Trusted Data Matrix</td>
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</tbody>
</table>
Revised PAR review (1)

- **Quantum Computing Benchmarking Working Group**
  - **P7131**: Standard for Quantum Computing Performance Metrics & Performance Benchmarking
    - PAR expires on December 31, 2022.
    - The PAR was modified and approved by SASB on September 23, 2021, to (1) change the primary standards committee from SA CAG to SAB SC; and (2) change the ballot type from Entity to Individual. The kickoff meeting was held on February 28, 2022.

- **Motion 2022-024**: Approve forwarding the PAR extension request questionnaire of P7131 to IEEE SASB NesCom.
  - Move: Jon Rosdahl, Qualcomm
  - Second: Mike Montemurro, Huawei
  - Result: Approved (4 Yes, 0 No, 0 Abstain, 2 Do not vote)
Revised PAR review (2)

- **Distributed Ledger Technology in Agriculture Working Group**
  - **P2418.3**: Standard for the Framework of Distributed Ledger Technology (DLT) Use in Agriculture
    - PAR expires on December 31, 2022.

- **Motion 2022-025**: Approve forwarding the PAR extension request questionnaire of P2418.3 to IEEE SASB NesCom.
  - Move: Wei Hong, Xiaomi
  - Second: Robby Robson, Eduworks
  - Result: Approved (4 Yes, 0 No, 0 Abstain, 1 Do not vote)
First Round New PAR review

- **P3185**: Standard for Hybrid Quantum-Classical Computing
  - Presented by Jonathan Attia (Feynman Foundation)
  - It is a new individual PAR request.

- **Motion 2022-026**: Approve forwarding the PAR documentation entitled “P3185 Standard for Hybrid Quantum-Classical Computing” to IEEE SASB NesCom.
  - Move: Dennis Brophy, Siemens EDA
  - Second: Jon Rosdahl, Qualcomm
  - Result: Approved (5 Yes, 0 No, 0 Abstain, 1 Do not vote)
Introduction to new ontology PAR proposals

- **Proposed PARs for ontology standards**
  - Presented by James Schoening (Self) and Ron Rudnicki
Any other business

Tentative agenda items for the July 26th meeting:
- New PARs (P3190, P3079.2.2, P3079.3.1)
- Motion templates for the Working Groups, PAR Study Groups, and ad-hocs
- Discuss on the updated Standards Committee conventions
  - Encourage best practice for PAR reviews
  - Website update (mandatory at least once per year)
  - Mailing list requirement (mandatory to involve Program Manager)
  - Requirements for Standards Committee and Working Group officers to complete and pass the mandatory training.
## Annex 1: Officer information

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
<th>Employed</th>
<th>Affiliation</th>
</tr>
</thead>
<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>
<td>Michael Montemurro</td>
<td>Huawei</td>
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<tr>
<td>Ex-officio</td>
<td>Annette Reilly</td>
<td>Self</td>
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<tr>
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<td>Robby Robson</td>
<td>Eduworks</td>
<td>Eduworks</td>
</tr>
<tr>
<td>Staff (PM)</td>
<td>Jonathan Goldberg</td>
<td>IEEE SA</td>
<td>IEEE SA</td>
</tr>
<tr>
<td>Staff (P3079)</td>
<td>Soo Kim</td>
<td>IEEE SA</td>
<td>IEEE SA</td>
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</tbody>
</table>
Annex 2: Encourage best practice for PAR review

Call for offline opinions from members, officers and staff:

– As referred to Section 3 of our convention, to enable the SAB SC to review and approve PARs for submission, a complete proposed PAR shall be submitted to the SAB SC via the SAB SC Program Manager for review no less than three weeks prior to the submittal deadline for the next NesCom meeting.

– I would like to ask for the following opinion:
  ▪ Encourage a best practice to share the PAR with the Standards Committee earlier than the internal 3-week deadline;
  ▪ If possible, post the PAR to Nescom agenda only after the Standards Committee approves the PAR.
  ▪ Reason: To avoid parallel review between Nescom members and Standards Committee, given significant change may be possible based on the Standards Committee’s comments.