

# Joint Session of the IEEE P802.3df 400 Gb/s and 800 Gb/s Ethernet Task Force and IEEE P802.3dj 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Ethernet Task Force

Unapproved Meeting Minutes, prepared by John D'Ambrosia, Mark Nowell, and Kent Lusted

## **16 January 2023**

January 2023 session

IEEE P802.3df Task Force January 2023 Meeting Task Force Page - same as P802.3dj (see below)

IEEE P802.3dj Task Force January 2023 Meeting Task Force Page -

[https://www.ieee802.org/3/dj/public/23\\_01/index.html](https://www.ieee802.org/3/dj/public/23_01/index.html)

Session called to order at 9:00 am Eastern time (all times eastern) by David Law, IEEE 802.3 Working Group Chair.

Mr. Law noted that it was a joint meeting of the P802.3df and P802.3dj.

Mr. Law reminded participants to declare their name and affiliation in the online meeting tool. Failure to declare would result in expulsion from the meeting.

Mr. Law appointed Kent Lusted as the recording secretary for the meeting.

Mr. Law noted that he had already announced that he intends to appoint John D'Ambrosia as the IEEE 802.3dj Task Force Chair and Mark Nowell as the IEEE P802.3dj Task Force Vice Chair.

Mr. Law noted that Direct Vote Live information had been sent via email to 802.3 WG Voters.

Mr. D'Ambrosia was moved to the Zoom lobby, while Mr. Law took the following confirmation motion.

|                              |   |
|------------------------------|---|
| <b>Motion #1</b>             | Move to confirm John D'Ambrosia as the IEEE P802.3dj 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Ethernet Task Force Chair |
| <b>(&gt;= 75% by rule)</b>   |   |
| <b>Moved by</b>              | Jim Weaver  |
| <b>Second by</b>             | Xinyuan Wang  |
| <b>Results 802.3 (y/n/a)</b> | passed by unanimous consent. 9:06 a.m.  |

Mr. D'Ambrosia returned to the call and was congratulated by Mr. Law on being confirmed by the Task Force. Mr. Nowell was moved to the Zoom lobby, while Mr. Law took the following confirmation motion.

|                              |  |
|------------------------------|--|
| <b>Motion #2</b>             | Move to confirm Mark Nowell as the IEEE P802.3dj 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Ethernet Task Force Vice Chair |
| <b>(&gt;=75% by rule)</b>    |  |
| <b>Moved by</b>              | Jim Weaver   |
| <b>Second by</b>             | Beth Kochuparambil   |
| <b>Results 802.3 (y/n/a)</b> | passed by unanimous consent. 9:10 a.m.   |

Mr. Nowell returned to the call and was congratulated by Mr. Law on being confirmed by the Task Force.

John D'Ambrosia took over chairing the meeting at 9:11 a.m.

**Presentation #1:**

|            |   |
|------------|---|
| Title      | <b>IEEE P802.3dj Task Force Formation</b>   |
| Presenters | John D'Ambrosia   |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/agenda_3dfdj_a_2301.pdf">https://www.ieee802.org/3/dj/public/23_01/agenda_3dfdj_a_2301.pdf</a> |

Chair welcomed everyone to the meeting.

Chair reminded participants to sign into IMAT for Task Force and IEEE 802.3 Working Group attendance.

Chair noted that the meeting would be a joint Task Force meeting of the P802.3df Task Force and the P802.3dj Task Force, as approved in the November IEEE 802.3 Working Group meeting. (see slide #2).

Chair noted that he is having connectivity issues and that Mark Nowell would take over if needed.

Chair noted that 5 late comments were submitted against the IEEE P802.3df D1.1. Chair asked if there was objection to considering these comments. There was an objection.

|                              |   |
|------------------------------|---|
| <b>Motion #3</b>             | Move that the 5 late comments not be considered in the P802.3df Draft 1.1 comment resolution cycle. |
| <b>Technical (&gt;= 75%)</b> |   |
| <b>Moved by</b>              | Matt Brown  |
| <b>Second by</b>             | Arthur Marris   |
| <b>Results 802.3 (y/n/a)</b> | Y: 31, N: 23, A: 5 Motion fails. 9:32 a.m.  |

The roll call vote record for motion #3 was as follows:

| <b>Attendee</b>      | <b>Vote</b> |
|----------------------|-------------|
| Adee Ran             | Abstain     |
| Andras De Koos       | No          |
| Angela Lambert       | No          |
| Arthur Marris        | Yes         |
| Charles Moorwood     | Yes         |
| Christopher Diminico | No          |
| Chul Soo Park        | No          |
| David Estes          | Yes         |
| David Malicoat       | Yes         |
| David Ofelt          | No          |

|                         |         |
|-------------------------|---------|
| Earl Parsons            | No      |
| Edward Nakamoto         | Yes     |
| Edward Sprague          | Yes     |
| Elizabeth Kochuparambil | No      |
| Eric Bernier            | Yes     |
| Eric Kimber             | No      |
| Eric Maniloff           | Yes     |
| Eugene Opsasnick        | Yes     |
| Eyal Lieder             | Yes     |
| Golam Choudhury         | No      |
| Hao Ren                 | Yes     |
| Haojie Wang             | Abstain |
| Hideki Isono            | Yes     |
| Howard Heck             | Yes     |
| James Weaver            | Yes     |
| James Withey            | No      |
| Jeffery Maki            | Yes     |
| John Calvin             | No      |
| John Ewen               | No      |
| Karl Bois               | No      |
| Kent Lusted             | Yes     |
| Kumi Omori              | Abstain |
| Leon Bruckman           | Yes     |
| Mark Gustlin            | Yes     |
| Mark Sikkink            | Abstain |
| Matthew Brown           | Yes     |

|                  |         |
|------------------|---------|
| Michael Dudek    | No      |
| Pei-Rong Li      | No      |
| Piers J G Dawe   | No      |
| Rick Pimpinella  | Yes     |
| Rick Rabinovich  | No      |
| Sam Kocsis       | Yes     |
| Scott Sommers    | No      |
| Semmy Peng       | Yes     |
| Shawn Nicholl    | Yes     |
| Shimon Muller    | No      |
| Shuang Yin       | Yes     |
| Taiji Kondo      | Yes     |
| Thomas Huber     | Yes     |
| Thomas Palkert   | No      |
| Tom Issenhuth    | Yes     |
| Tom Williams     | Yes     |
| Toshiaki Sakai   | No      |
| Upen Kareti      | Yes     |
| Valerie Maguire  | Abstain |
| Vincent Ferretti | No      |
| William Simms    | No      |
| Xinyuan Wang     | Yes     |
| Yung Sung Son    | Yes     |

Chair asked Matt Brown to update the comment reports based on the results of motion #3 and mark the comments as “late” in the reports.

Chair reviewed the agenda (Slide #3) version 'a' and noted presentation order (Slides #5-7). Chair noted on Slide #5 that there was a formatting error and that the field at 11:15am should indicate "Discussion, straw polls, motions." Chair noted that individuals should check the webpage for the latest version of each presentation. Chair noted that all of the presentation times were subject to change.

Chair asked if there were any objections to the agenda. There were none. The agenda was considered approved by unanimous consent.

Minutes –

- December 2022 session - [https://www.ieee802.org/3/df/public/22\\_12/minutes\\_3df\\_2212\\_unapproved.pdf](https://www.ieee802.org/3/df/public/22_12/minutes_3df_2212_unapproved.pdf)

Chair asked if there were any corrections or modifications to the posted minutes. There were none. Chair asked if there were any objections to approving the minutes. There were none, and the minutes were considered approved by unanimous consent.

Chair reviewed meeting decorum. (See Slide #9) Chair asked if there were any members of the press present. No one responded.

Chair reviewed attendance. (See Slide #10) Chair noted that Task Force meeting attendance would be through the IEEE Meeting Attendance (IMAT).

Chair reviewed the Task Force Project Information / Organization for the P802.3df and the P802.3df Task Forces. (See Slides #11-12).

Chair reviewed ground rules. (See Slide #13)

Chair reviewed the current state of the Task Force. (See Slide #14.)

Chair reviewed voting in the task force. (See Slide #16) Chair noted that the straw polls would use the online Zoom tool. Motions would be taken with the Direct Vote Live tool if there was not unanimous consent.

Slide #17 - Chair noted that the information regarding the IEEE SA Policies had been sent out via the Task Force reflector , and requested that individuals review the following IEEE SA policies prior to the interim meeting –

- IEEE SA Patent policy
- IEEE SA Copyright Policy
- IEEE SA Participation Policy

Chair asked if anyone needed to review the policies at that time – there were no requests to do so from in-person nor remote attendees.

Chair presented the third slide (See Slide #36) of the IEEE SA Patent Policy slides. Chair did call for Potentially Essential Patents, and no one came forward.

Chair presented the second slide (See Slide #41) of the IEEE SA Copyright Policy slides. Chair noted – "By participating in this activity, you agree to comply with the IEEE Code of Ethics, all applicable laws, and all IEEE policies and procedures including, but not limited to, the IEEE SA Copyright Policy."

Chair presented the second slide (See Slide #45) of the IEEE SA Participation Policy slides. Chair noted – "Participants in the IEEE-SA "individual process" shall act independently of others, including employers. By participating in standards activities using the "individual process", you are deemed to accept these requirements; if you are unable to satisfy these requirements then you shall immediately cease any participation."

Chair noted there was one proposed liaison to consider on the topic of OTN mapping reference point for 800GBASE-R. Chair noted that he had asked Tom Huber in a prior meeting to prepare the liaison for consideration by the Task Force.

Chair asked Tom Huber to review the proposed liaison to ITU-T. (see: [https://www.ieee802.org/3/df/public/23\\_01/0116/huber\\_3df\\_01\\_230116\\_Redacted.pdf](https://www.ieee802.org/3/df/public/23_01/0116/huber_3df_01_230116_Redacted.pdf)) Chair asked participants to provide feedback to Tom prior to considering the liaison on Wednesday, 18 January.

For presentation #2, John D'Ambrosia noted that Mark Nowell would chair the meeting while he was speaking and that he would chair the meeting when Mark Nowell was speaking.

**Presentation #2**

|            |   |
|------------|---|
| Title      | <b>IEEE P802.3dj Task Force Formation</b>   |
| Presenters | John D'Ambrosia, Mark Gustlin, Kent Lusted, Mark Nowell   |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0116/dambrosia_3dj_01a_230116.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0116/dambrosia_3dj_01a_230116.pdf</a> |

Questions of clarification were addressed.

John D'Ambrosia appointed the follow leadership positions for the IEEE P802.3dj Task Force:

- Kent Lusted, Task Force Recording Secretary
- Mark Gustlin, Logic Track Chair
- Kent Lusted, Electrical Track Chair
- Mark Nowell, Optical Track Chair

D'Ambrosia appointed logic, electrical and optical ad hoc chairs and charters. See Slide #12.

Chair noted that the currently scheduled ad hoc meetings on 22 February and 23 February for the optical and electrical track would be to review presentations. Mark Nowell and Kent Lusted were not taking presentation requests at the time.

Chair reminded participants of the relative cost analysis review guidelines, as shown in slide 10 of [https://www.ieee802.org/3/dj/public/23\\_01/23\\_0116/dambrosia\\_3dj\\_01a\\_230116.pdf](https://www.ieee802.org/3/dj/public/23_01/23_0116/dambrosia_3dj_01a_230116.pdf)

Chair noted that he would attempt to take motion #4 by unanimous consent. If there was objection, he would proceed with a roll call vote.

|                              |   |
|------------------------------|---|
| <b>Motion #4</b>             | Move to approve motions related to "IEEE P802.3dj 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Ethernet" previously approved by IEEE P802.3df Task Force noted on Slide #7 of <a href="https://www.ieee802.org/3/dj/public/23_01/23_0116/dambrosia_3dj_01a_230116.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0116/dambrosia_3dj_01a_230116.pdf</a> |
| <b>Technical (&gt;= 75%)</b> |   |
| <b>Moved by</b>              | Ali Ghiasi  |
| <b>Second by</b>             | Adee Ran  |
| <b>Results 802.3 (y/n/a)</b> | Passed by unanimous consent 10:31 a.m.  |

|                              |   |
|------------------------------|---|
| <b>Motion #5</b>             | Move to adopt timeline for IEEE P802.3dj noted on slide #8 of <a href="https://www.ieee802.org/3/dj/public/23_01/23_0116/dambrosia_3dj_01a_230116.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0116/dambrosia_3dj_01a_230116.pdf</a> |
| <b>Technical (&gt;= 75%)</b> |   |
| <b>Moved by</b>              | Adee Ran  |
| <b>Second by</b>             | Mike Dudek  |
| <b>Results 802.3 (y/n/a)</b> | Passed by unanimous consent 10:34 a.m.  |

Chair reminded participants to review the proposed liaison to ITU-T and send comments to himself and Tom Huber.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

Meeting recessed for the day at 10:36 a.m.

## **17 January 2023**

Meeting reconvened at 9:01 a.m. eastern time zone.

Chair noted that he was having connectivity issues and that the Vice Chair Mark Nowell would take over if needed.

Chair made opening comments and reviewed the plans for the day. (see: [https://www.ieee802.org/3/dj/public/23\\_01/agenda\\_3dfdj\\_b\\_2301.pdf](https://www.ieee802.org/3/dj/public/23_01/agenda_3dfdj_b_2301.pdf) ) Chair noted there was an update to the agenda file on Slide #5 in version 'b'. There was a formatting error and that the field at 11:15am on 18 January allocates time for "Discussion, straw polls, motions."

Vice Chair reminded participants to declare their affiliation in the online meeting tool. Failure to declare affiliation would result in expulsion from the meeting.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

Chair asked if there were any updates to the next two presentations. The author had an updated 1.6TAUI-16 presentation with additional supporters in version '02a'.

### **Presentation #3:**

|            |   |
|------------|---|
| Title      | <b>Towards a 200G/lane Backplane Objective</b>  |
| Presenters | Kent Lusted   |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0116/lusted_3dj_01a_230116.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0116/lusted_3dj_01a_230116.pdf</a> |

Chair asked Mr Lusted to remove the bullet noting a particular company's products in version '01'. Author would provide updated version '01a' for posting.

Questions of clarification were addressed.

Prior to the start of presentation #4, the author had an updated presentation with additional supporters in version '02a'. Chair would post it to the website.

### **Presentation #4:**

|            |   |
|------------|---|
| Title      | <b>1.6TAUI-16 C2M and C2C Baseline Thoughts</b>   |
| Presenters | Kent Lusted   |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0116/lusted_3dj_02a_230116.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0116/lusted_3dj_02a_230116.pdf</a> |

Questions of clarification were addressed.

Chair reminded participants of the voting rules for the straw polls and motions.

### **Straw Poll #1:**

I am interested in backplane PHY objectives for 200Gbps/lane rates

Y: 58 , N: 19 , A: 34



Chair noted that he would attempt to take motion #6 by unanimous consent. If there was objection, he would proceed with a roll call vote.

|                              |  |
|------------------------------|--|
| <b>Motion #6</b>             | Move to adopt lusted_3dj_02a_230116.pdf slide 6 as the baseline for the 16-lane 1.6TAUI-16 C2M and C2C |
| <b>Technical (&gt;= 75%)</b> |  |
| <b>Moved by</b>              | Adee Ran   |
| <b>Second by</b>             | Mike Dudek   |
| <b>Results 802.3 (y/n/a)</b> | Passed by unanimous consent 10:11 a.m.   |

Vice Chair reminded participants to declare their affiliation in the online meeting tool. Failure to declare affiliation would result in expulsion from the meeting.

#### Presentation #5

|            |   |
|------------|---|
| Title      | <b>Baseline Proposal for 200G/L Medium Loss C2M</b>   |
| Presenters | Tobey P.-R. Li  |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0116/lit_3dj_01a_230116.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0116/lit_3dj_01a_230116.pdf</a> |

During discussion of slide 9, the author noted that she would change the item T<sub>r</sub> = TBD in an updated version '01a'. Questions of clarification were addressed.

#### Presentation #6

|            |   |
|------------|---|
| Title      | <b>Baseline Proposal for 200G/L high Loss C2M</b>   |
| Presenters | Tobey P.-R. Li  |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0116/lit_3dj_02a_230116.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0116/lit_3dj_02a_230116.pdf</a> |

During discussion of slide 7, the author noted that she would change the item T<sub>r</sub> = TBD in an updated version '02a'. There was a request to change the value of N<sub>f</sub> to TBD for future baseline proposals. Questions of clarification were addressed.

Chair noted that he would continue to prioritize presentations having multiple co-authors from different affiliations.

Break at 11:18 a.m. Resumed at 11:25 a.m.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

#### Presentation #7

|            |   |
|------------|---|
| Title      | <b>CMIS-LT Providing Flexible Link Training and Diagnostics for C2M</b>   |
| Presenters | Ali Ghiasi  |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0116/ghiasi_3dj_01_230116.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0116/ghiasi_3dj_01_230116.pdf</a> |

Chair noted that a liaison to the OIF, if written, should not imply that a decision was made in IEEE P802.3dj. Kent Lusted, IEEE P802.3dj electrical track chair, offered to bring the topic into a future electrical track ad hoc meeting. Questions of clarification were addressed.

Chair would work with Kent Lusted and Ali Ghiasi to draft a liaison to the OIF requesting information on the CMIS-LT topic for consideration by the Task Force at the March 2023 Plenary meeting.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

Prior to the start of presentation #8, Kent Lusted noted that the 23 February electrical track ad hoc would have dedicated time for the MLSE topic. Details of the electrical track ad hoc would be announced via the Task Force email reflector.

#### **Presentation #8**

|            |   |
|------------|---|
| Title      | <b>A Path toward Incorporating Advanced Signal Processing in Electrical Channel Performance Assessment – 1st Update</b>   |
| Presenters | Hossein Shakiba   |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0116/shakiba_3dj_01_230116.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0116/shakiba_3dj_01_230116.pdf</a> |

Questions of clarification were addressed.

Chair noted that the MLSE topic was of interest to many participants. Kent Lusted stated that the MLSE topic was scheduled for discussion in the 23 February electrical ad hoc meeting.

Chair reminded participants of the next Joint Task Force meeting on 18 February.

Chair noted that he received a new liaison from OIF on the 800LR topic and that it was assigned to the IEEE P802.3df Task Force. He noted that he intends to defer a response for consideration until the March 2023 Plenary due to the OIF meeting schedule. He would post the liaison letter to the Task Force website soon.

Meeting recessed for the day at 12:59 p.m.

## **18 January 2023**

Meeting reconvened at 9:01 a.m. eastern time zone.

Chair made opening comments and reviewed the plans for the day. (see: [https://www.ieee802.org/3/dj/public/23\\_01/agenda\\_3dfdj\\_b\\_2301.pdf](https://www.ieee802.org/3/dj/public/23_01/agenda_3dfdj_b_2301.pdf) )

Vice Chair reminded participants to declare their affiliation in the online meeting tool. Failure to declare affiliation would result in expulsion from the meeting.

Chair noted that he was having connectivity issues and that the Vice Chair Mark Nowell would take over if needed.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

Chair noted that he received an updated presentation from Ali Ghiasi on the Medium and High Loss AUI Channel Loss with editorial changes.

Chair noted that he received updated presentations from Mike Li with substantial technical changes. Chair asked him to use the original versions. The updated presentations were subject to Task Force approval.

### **Presentation #9**

|            |   |
|------------|---|
| Title      | <b>200G/lane PAM4: Error Profile, Propagation and Correction considerations</b>   |
| Presenters | Upen Reddy Kareti   |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0116/kareti_3dj_01a_230116.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0116/kareti_3dj_01a_230116.pdf</a> |

Author noted that the trace back length on slide 4 was inadvertently omitted. The traceback length was "5" and the author would provide an updated version '01a' with the change. At the end of the presentation, the author noted that there were a few other typos that he would fix in version '01a'.

Questions of clarification were addressed.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

Kent Lusted noted that the joint P802.3df and P802.3dj electrical ad hoc scheduled for 23 February was announced over the electrical email reflector yesterday. (see: <https://www.ieee802.org/3/df/email/elec/msg00044.html> ) He also sent the information to the other email reflectors at the request of the Chair due to the great interest in the MLSE topic.

Vice Chair reminded participants to declare their affiliation in the online meeting tool. Failure to declare affiliation would result in expulsion from the meeting.

Prior to the start of presentation #10, the author had an updated presentation with editorial changes in version '02a'. Chair would post it to the website.

### Presentation #10

|            |   |
|------------|---|
| Title      | <b>Bottom Up analysis of Medium and High Loss AUI Channel Loss</b>  |
| Presenters | Ali Ghiasi  |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0116/ghiasi_3dj_02a_230116.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0116/ghiasi_3dj_02a_230116.pdf</a> |

During the presentation, the author noted an editorial error on slide 9 that he would fix in version '02a'. Author offered to provide the spreadsheet version of the table on slide 11 as a contribution 'ghiasi\_3dj\_03\_230116'. Chair would work with the author to determine if the spreadsheet could be posted.

Questions of clarification were addressed.

### Presentation #11

|            |   |
|------------|---|
| Title      | <b>212 Gb/s PAM4 per Lane C2M Channels A Via Length Performance Study Supplement</b>  |
| Presenters | Rick Rabinovich   |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0116/rabinovich_3dj_01_230116.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0116/rabinovich_3dj_01_230116.pdf</a> |

Questions of clarification were addressed.

Break at 10:49 a.m. Resumed at 10:55 a.m.

Vice Chair reminded participants to declare their affiliation in the online meeting tool. Failure to declare affiliation would result in expulsion from the meeting.

### Presentation #12

|            |   |
|------------|---|
| Title      | <b>A 224 Gbps-PAM4 High-Loss Chip-to-Module Channel with 92 Ohm Impedance and Its Characteristics</b>   |
| Presenters | Mike Li   |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0116/lim_3dj_02_230116.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0116/lim_3dj_02_230116.pdf</a> |

Questions of clarification were addressed.

### Presentation #13

|            |   |
|------------|---|
| Title      | <b>224 Gbps-PAM4 Chip-to-Module Link Simulation and Analysis with a High-Loss 92 Ohm Impedance Channel</b>  |
| Presenters | Mike Li   |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0116/lim_3dj_01_230116.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0116/lim_3dj_01_230116.pdf</a> |

Questions of clarification were addressed.

Chair noted that Tom Huber prepared a liaison response to the ITU-T for consideration by the Task Force. (see: [https://www.ieee802.org/3/df/public/23\\_01/0116/huber\\_3df\\_01\\_230116\\_Redacted.pdf](https://www.ieee802.org/3/df/public/23_01/0116/huber_3df_01_230116_Redacted.pdf)) Tom Huber reviewed the proposed response. Changes were made and saved as IEEE\_802d3\_to\_ITU\_3df\_2301\_draft\_redacted.pdf. (see: [https://www.ieee802.org/3/df/public/23\\_01/0116/IEEE\\_802d3\\_to\\_ITU\\_3df\\_2301\\_draft\\_Redacted.pdf](https://www.ieee802.org/3/df/public/23_01/0116/IEEE_802d3_to_ITU_3df_2301_draft_Redacted.pdf))

Chair noted that he would attempt to take motion #7 by unanimous consent. If there was objection, he would proceed with a roll call vote.

|                              |   |
|------------------------------|---|
| <b>Motion #7</b>             | Move that the IEEE P802.3df Task Force approve: <ul style="list-style-type: none"><li>• IEEE_802d3_to_ITU_3df_2301_draft_redacted.pdf with editorial license granted to the Chair (or his appointed agent) as a liaison communication from the IEEE 802.3 Working Group to OIF.</li></ul> |
| <b>Technical (&gt;= 75%)</b> |   |
| <b>Moved by</b>              | Tom Huber   |
| <b>Second by</b>             | Eric Bernier  |
| <b>Results 802.3 (y/n/a)</b> | Passed by unanimous consent. 12:12 p.m.   |

Chair reviewed the agenda for the Task Force meetings scheduled on the week of 30 January. Comments deemed bucket worthy in 'bucket1' were expected to be available on Friday, 20 January. Requests to pull comments from 'bucket1' would be due on 27 January. Details would be announced over the TF email reflector.

Chair noted that he would have limited availability during the week of 30 January. He would delegate meeting responsibilities to the Vice Chair Mark Nowell.

Chair discussed the March 2023 plenary meeting schedule.

Chair noted that the liaison from the OIF on the 800LR IA Project Update had been posted to the Task Force website. (see: [https://www.ieee802.org/3/minutes/jan23/incoming/OIF\\_liaison\\_letter\\_IEEE802.3\\_800LR\\_17Jan23\\_Redacted.pdf](https://www.ieee802.org/3/minutes/jan23/incoming/OIF_liaison_letter_IEEE802.3_800LR_17Jan23_Redacted.pdf) )

Meeting recessed for the day at 12:20 p.m.

## **30 January 2023**

Meeting reconvened at 9:00 a.m. eastern time zone.

Chair made opening comments and reviewed the plans for the day. (see: [https://www.ieee802.org/3/dj/public/23\\_01/agenda\\_3dfdj\\_c\\_2301.pdf](https://www.ieee802.org/3/dj/public/23_01/agenda_3dfdj_c_2301.pdf) ) Chair noted that the agenda file was updated to version 'c' to reflect the IEEE SA policy slide reference changes.

Slide #17 - Chair noted that the information regarding the IEEE SA Policies had been sent out via the Task Force reflector , and requested that individuals review the following IEEE SA policies prior to the interim meeting –

- IEEE SA Patent policy
- IEEE SA Copyright Policy
- IEEE SA Participation Policy

Chair presented the third slide (See Slide #36) of the IEEE SA Patent Policy slides. Chair did call for Potentially Essential Patents, and no one came forward.

Chair presented the second slide (See Slide #41) of the IEEE SA Copyright Policy slides. Chair noted – “By participating in this activity, you agree to comply with the IEEE Code of Ethics, all applicable laws, and all IEEE policies and procedures including, but not limited to, the IEEE SA Copyright Policy.”

Chair presented the second slide (See Slide #45) of the IEEE SA Participation Policy slides. Chair noted – “Participants in the IEEE-SA “individual process” shall act independently of others, including employers. By participating in standards activities using the “individual process”, you are deemed to accept these requirements; if you are unable to satisfy these requirements then you shall immediately cease any participation.”

Chair noted that the call for presentations for the March 2023 Plenary. Presentation requests are due 2 March 2023. Registration was required for the March 2023 Plenary.

Kent Lusted, Electrical track chair, noted that the meeting time and duration for the electrical ad hoc meeting on 23 February was updated. The details were sent via the electrical track email reflector. (see: <https://www.ieee802.org/3/df/email/elec/msg00046.html> )

Chair reviewed the steps to proceed to a Working Group ballot. He reviewed the requirements. (see slide 11 from Dec agenda [https://www.ieee802.org/3/df/public/22\\_12/agenda\\_3df\\_a\\_2212.pdf](https://www.ieee802.org/3/df/public/22_12/agenda_3df_a_2212.pdf) ) He noted that the draft had no open technical issues. He asked if there was any feedback. No one responded.

Vice Chair reminded participants to declare their affiliation in the online meeting tool. Failure to declare affiliation would result in expulsion from the meeting.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

Chair noted that he received late presentations from Adeo Ran and Peter Stassar related to comments against D1.1. He asked if there was objection to hearing the late presentations. No one responded.

Chief Editor noted that he had an updated comment resolution input document (version '02a') with additional data related to comment resolution.

#### Presentation #14

|            |   |
|------------|---|
| Title      | <b>P802.3df Chief Editor's Report</b>   |
| Presenters | Matt Brown  |
| URL        | <a href="https://www.ieee802.org/3/df/public/23_01/0130/brown_3df_01_230130.pdf">https://www.ieee802.org/3/df/public/23_01/0130/brown_3df_01_230130.pdf</a> |

Chief Editor reviewed the comment resolution approach shown on slide 7.

Chief Editor noted that it was his opinion that the draft met the “technically complete” requirement to proceed to the Working Group ballot. The comments received on D1.1 seemed to support that.

#### Presentation #15

|            |   |
|------------|---|
| Title      | <b>Comment Resolution Agenda</b>  |
| Presenters | Matt Brown  |
| URL        | <a href="https://www.ieee802.org/3/df/public/23_01/0130/brown_3df_02_230130.pdf">https://www.ieee802.org/3/df/public/23_01/0130/brown_3df_02_230130.pdf</a> |

Chief Editor noted that the comment order was subject to change.

Chair noted that he received an updated presentation from Adeo Ran on the topic of Clause 173 bit-muxing constraints. Version '01a' editorial changes and supporters.

Chair noted that comment resolution must be completed this week due to time constraints.

Chief Editor noted that he received requests to pull comments #134, 20, 24, 85, 79, 84, and 87 from bucket1 prior to the deadline. The comments pulled from bucket1 would be addressed on the floor.

Chair noted that he would attempt to take the motion by unanimous consent. If there was objection, he would proceed with a roll call vote.

|                              |   |
|------------------------------|---|
| <b>Motion #8</b>             | Move to adopt the proposed responses in <a href="https://www.ieee802.org/3/df/comments/D1p1/8023df_D1p1_comments_bucket1_clause.pdf">https://www.ieee802.org/3/df/comments/D1p1/8023df_D1p1_comments_bucket1_clause.pdf</a> except #134, 20, 24, 85, 79, 84, and 87 |
| <b>Technical (&gt;= 75%)</b> |   |
| <b>Moved by</b>              | Matt Brown  |
| <b>Second by</b>             | Gary Nicholl  |
| <b>Results 802.3 (y/n/a)</b> | Passed by unanimous consent. 9:31 a.m.  |

At 9:33 a.m, the Chair passed comment resolution responsibilities to Matt Brown and the editorial team.

Gary Nicholl noted that participants should review the cross-clause comments on multiplexing rules and prepare for discussion on Tuesday.

### Presentation #16

|            |   |
|------------|---|
| Title      | <b>Timestamping considerations for 800GbE MII extenders</b>   |
| Presenters | Andras de Koos  |
| URL        | <a href="https://www.ieee802.org/3/df/public/23_01/0130/dekoos_3df_01_230130.pdf">https://www.ieee802.org/3/df/public/23_01/0130/dekoos_3df_01_230130.pdf</a> |

Questions of clarification were addressed.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

Vice Chair reminded participants to declare their affiliation in the online meeting tool. Failure to declare affiliation would result in expulsion from the meeting.

Break at 11:02 a.m. Resumed at 11:07 a.m.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

### Comment Resolution Input from Editorial Team

See: [https://www.ieee802.org/3/df/public/23\\_01/0130/brown\\_3df\\_03a\\_230130.pdf](https://www.ieee802.org/3/df/public/23_01/0130/brown_3df_03a_230130.pdf)

Editorial team noted that the document would be referenced throughout comment resolution and may be updated based on discussion.

### Presentation #17

|            |   |
|------------|---|
| Title      | <b>Comments #21 &amp; #74 Supporting Material: Preventing clock content issues in 800GBASE-R PCS/PMA</b>  |
| Presenters | Adee Ran  |
| URL        | <a href="https://www.ieee802.org/3/df/public/23_01/0130/ran_3df_02_230130.pdf">https://www.ieee802.org/3/df/public/23_01/0130/ran_3df_02_230130.pdf</a> |

Questions of clarification were addressed.

Comment consideration recessed for the day at 12:55 p.m.

Chair noted that the meeting would resume at 9:00 a.m. on Tuesday and Wednesday. Mark Nowell would run the meeting with the assistance of Kent Lusted.

Chair intends to take a motion at the end of comment resolution to process the draft to the Working Group ballot.

Chair asked participants to review the contributions submitted on the Clause 173 bit-muxing topic prior to the next meeting so that they are prepared for discussion.

Meeting recessed for the day at 12:58 p.m.



## **31 January 2023**

Meeting reconvened at 9:02 a.m. eastern time zone.

The IEEE P802.3df Task Force Vice chair (Mark Nowell) called the meeting to order at 9:00am and was chairing the day's teleconference.

Chair made opening comments and reviewed the plans for the day. (see: [https://www.ieee802.org/3/dj/public/23\\_01/agenda\\_3dfdj\\_c\\_2301.pdf](https://www.ieee802.org/3/dj/public/23_01/agenda_3dfdj_c_2301.pdf) )

Chair reminded participants to declare their affiliation in the online meeting tool. Failure to declare affiliation would result in expulsion from the meeting.

Chair summarized the progress on comment resolution. He noted that it was reasonable to complete the comment resolution on Tuesday.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

Chair discussed the path towards the Working Group ballot. Chief Editor provided a status of the quality of the draft; it contained no "TBDs" and was technically complete.

Chief Editor reviewed the comment resolution agenda. (see: [https://www.ieee802.org/3/df/public/23\\_01/0130/brown\\_3df\\_02\\_230130.pdf](https://www.ieee802.org/3/df/public/23_01/0130/brown_3df_02_230130.pdf) )

At 9:15 a.m, the Chair passed comment resolution responsibilities to Matt Brown and the editorial team.

Chief Editor noted that the comment resolution input document was updated overnight to version '03b' with additional details for Tuesday.

### **Comment Resolution Input from Editorial Team**

See: [https://www.ieee802.org/3/df/public/23\\_01/0130/brown\\_3df\\_03b\\_230130.pdf](https://www.ieee802.org/3/df/public/23_01/0130/brown_3df_03b_230130.pdf)

Editorial team noted that the document would be referenced throughout comment resolution and may be updated based on discussion.

### **Presentation #18**

|            |   |
|------------|---|
| Title      | <b>Comment #1 Supporting Presentation</b>   |
| Presenters | Peter Stassar   |
| URL        | <a href="https://www.ieee802.org/3/df/public/23_01/0130/stassar_3df_01_230130.pdf">https://www.ieee802.org/3/df/public/23_01/0130/stassar_3df_01_230130.pdf</a> |

Questions of clarification were addressed.

### **Comment Resolution Input from Editorial Team**

See: [https://www.ieee802.org/3/df/public/23\\_01/0130/brown\\_3df\\_03b\\_230130.pdf](https://www.ieee802.org/3/df/public/23_01/0130/brown_3df_03b_230130.pdf)

Editorial team noted that the document would be referenced throughout comment resolution and may be updated based on discussion.

For comment #131, Adeo Ran offered to bring the concern to the attention of the IEEE 802.3 maintenance team.

Adee Ran noted that he had an updated presentation '01b' with technical changes. The Vice-Chair asked if there was an objection to hearing the updated presentation. No one responded.

### **Presentation #19**

|            |   |
|------------|---|
| Title      | <b>Comment #27 Supporting Material: Clause 173 PMA bit-muxing constraints</b>   |
| Presenters | Adee Ran  |
| URL        | <a href="https://www.ieee802.org/3/df/public/23_01/0130/ran_3df_01b_230130.pdf">https://www.ieee802.org/3/df/public/23_01/0130/ran_3df_01b_230130.pdf</a> |

Questions of clarification were addressed.

Break at 11:11 a.m. Resumed at 11:20 a.m.

The Chair summarized the discussion on the multiplexing rules proposed in ran\_3df\_01b\_230130.

### **Straw Poll #2**

Type: Directional

Topic: Multiplexing restrictions

(see comment #27 in the comment report,

[https://www.ieee802.org/3/df/comments/D1p1/8023df\\_D1p1\\_comments\\_final\\_id.pdf](https://www.ieee802.org/3/df/comments/D1p1/8023df_D1p1_comments_final_id.pdf) )

### **Straw Poll #3**

Type: Directional

Topic: Multiplexing restrictions

(see comment #27 in the comment report,

[https://www.ieee802.org/3/df/comments/D1p1/8023df\\_D1p1\\_comments\\_final\\_id.pdf](https://www.ieee802.org/3/df/comments/D1p1/8023df_D1p1_comments_final_id.pdf) )

### **Straw Poll #4**

Type: Directional

Topic: Multiplexing restrictions

(see comment #27 in the comment report,

[https://www.ieee802.org/3/df/comments/D1p1/8023df\\_D1p1\\_comments\\_final\\_id.pdf](https://www.ieee802.org/3/df/comments/D1p1/8023df_D1p1_comments_final_id.pdf) )

### **Straw Poll #5**

Type: Directional

Topic: Multiplexing restrictions

(see comment #27 in the comment reports,

[https://www.ieee802.org/3/df/comments/D1p1/8023df\\_D1p1\\_comments\\_final\\_id.pdf](https://www.ieee802.org/3/df/comments/D1p1/8023df_D1p1_comments_final_id.pdf) )

Chair noted that comment resolution was on track to complete earlier than scheduled. He asked if there was objection to hearing the presentation from Adee Ran on skew before the close of the meeting. No one responded.

Chair announced that the Wednesday, 1 February meeting duration was reduced to two hours.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

## Presentation #20

|            |   |
|------------|---|
| Title      | <b>Comments #15, #16, #118 Supporting Material: Skew limits for 800 Gb/s Ethernet</b>   |
| Presenters | Adee Ran  |
| URL        | <a href="https://www.ieee802.org/3/df/public/23_01/0130/ran_3df_03_230130.pdf">https://www.ieee802.org/3/df/public/23_01/0130/ran_3df_03_230130.pdf</a> |

Questions of clarification were addressed.

Vice-Chair noted the reduced meeting duration on Wednesday. The meeting would resume with Q&A on the skew topic then proceed to comment resolution. He anticipated a motion to progress the draft.

Meeting recessed for the day at 1:02 p.m.

## **1 February 2023**

Meeting reconvened at 9:02 a.m. eastern time zone.

The IEEE P802.3df TF Vice chair (Mark Nowell) called the meeting to order at 9:00am and was chairing the day's teleconference.

Chair made opening comments and reviewed the plans for the day. (see: [https://www.ieee802.org/3/dj/public/23\\_01/agenda\\_3dfdj\\_c\\_2301.pdf](https://www.ieee802.org/3/dj/public/23_01/agenda_3dfdj_c_2301.pdf) )

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

Chair reminded participants to declare their affiliation in the online meeting tool. Failure to declare affiliation would result in expulsion from the meeting.

Chief Editor reviewed the comment resolution agenda. (see: [https://www.ieee802.org/3/df/public/23\\_01/0130/brown\\_3df\\_02\\_230130.pdf](https://www.ieee802.org/3/df/public/23_01/0130/brown_3df_02_230130.pdf) )

Chair noted that the Q&A on Adeo Ran's presentation on skew limits was abbreviated on Tuesday due to time limitations. He asked Adeo Ran to summarize the main points before reopening Q&A. (see: [https://www.ieee802.org/3/df/public/23\\_01/0130/ran\\_3df\\_03\\_230130.pdf](https://www.ieee802.org/3/df/public/23_01/0130/ran_3df_03_230130.pdf) ) There was an extended Q&A.

At 9:45 a.m, the Chair passed comment resolution responsibilities to Matt Brown and the editorial team.

At 9:55 a.m., comment resolution finished.

Chair reminded participants that contributions for the next week's meetings were due on Tuesday.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

Chair provided a status of the current P802.3df D1.1. He noted that there were no TBDs in the document. He also noted that the draft was of sufficient quality to be considered as an attachment in a Working Group liaison.

Chair noted that he would attempt to take the motion by unanimous consent. If there was objection, he would proceed with a roll call vote.

|                              |  |
|------------------------------|--|
| <b>Motion #9</b>             | Move to: <ul style="list-style-type: none"><li>• Generate Draft 2.0 from Draft 1.1 and the closed comments.</li><li>• Request that IEEE 802.3 WG progress the draft to WG Ballot</li></ul> |
| <b>Technical (&gt;= 75%)</b> |  |
| <b>Moved by</b>              | Matt Brown   |
| <b>Second by</b>             | Mark Gustlin   |
| <b>Results 802.3 (y/n/a)</b> | Passed by unanimous consent, 10:03 a.m.  |

Chair noted that the motion included the bucket comments that were closed on 30 January 2023 by motion #8.

Chair noted that the meetings scheduled for February 28 and March 1 were set for comment resolution against P802.3df D1.2. However, those meetings were no longer needed and would be canceled.

Chair noted that the next meetings would focus on logic topics.

Chair thanked the entire editorial team for their hard work on the draft and comment resolution. Chief Editor thanked the team for their hard work.

Meeting recessed for the day at 10:06 a.m.

## **6 February 2023**

Meeting reconvened at 9:00 a.m. eastern time zone.

The IEEE P802.3df Task Force Chair (John D'Ambrosia) called the meeting to order at 9:00am and was chairing today's teleconference.

Chair made opening comments and reviewed the plans for the day. (see: [https://www.ieee802.org/3/dj/public/23\\_01/agenda\\_3dfdj\\_c\\_2301.pdf](https://www.ieee802.org/3/dj/public/23_01/agenda_3dfdj_c_2301.pdf) )

Slide #17 - Chair noted that the information regarding the IEEE SA Policies had been sent out via the Task Force reflector , and requested that individuals review the following IEEE SA policies prior to the interim meeting –

- IEEE SA Patent policy
- IEEE SA Copyright Policy
- IEEE SA Participation Policy

Chair presented the third slide (See Slide #36) of the IEEE SA Patent Policy slides. Chair did call for Potentially Essential Patents, and no one came forward.

Chair presented the second slide (See Slide #41) of the IEEE SA Copyright Policy slides. Chair noted – “By participating in this activity, you agree to comply with the IEEE Code of Ethics, all applicable laws, and all IEEE policies and procedures including, but not limited to, the IEEE SA Copyright Policy.”

Chair presented the second slide (See Slide #45) of the IEEE SA Participation Policy slides. Chair noted – “Participants in the IEEE-SA “individual process” shall act independently of others, including employers. By participating in standards activities using the “individual process”, you are deemed to accept these requirements; if you are unable to satisfy these requirements then you shall immediately cease any participation.”

Chair noted that the call for presentations for the March 2023 Plenary. Presentation requests are due 2 March 2023. Registration was required for the March 2023 Plenary.

Vice Chair reminded participants to declare their affiliation in the online meeting tool. Failure to declare affiliation would result in expulsion from the meeting.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

Chair noted that the 1.6TbE PCS/FEC baseline proposal presentation would be given by Mark Gustlin, not Kapil Shrikhande per the agenda.

### **Presentation #21**

|            |   |
|------------|---|
| Title      | <b>1.6TbE PCS/FEC Baseline Proposal</b>   |
| Presenters | Mark Gustlin  |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0206/gustlin_3dj_01b_230206.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0206/gustlin_3dj_01b_230206.pdf</a> |

Author noted that he had an additional supporter and would provide an updated version '01b'.

Questions of clarification were addressed.

### Presentation #22

|            |   |
|------------|---|
| Title      | <b>Consideration on Symbol Multiplexing for 200G/L</b>  |
| Presenters | Leon Bruckman   |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0206/bruckman_3dj_01_230206.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0206/bruckman_3dj_01_230206.pdf</a> |

On slide 6, the author noted that he might have an error in the table and would provide an updated version '01a' with the correction after checking the simulations, if needed.

Questions of clarification were addressed.

Prior to the start of the presentation, Adee Ran noted that he had an updated presentation with editorial changes in version '01a'. Chair noted that he had not posted it to the Task Force website yet.

### Presentation #23

|            |   |
|------------|---|
| Title      | <b>Symbol-muxing PMA architecture proposal</b>  |
| Presenters | Adee Ran  |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0206/ran_3dj_01a_230206.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0206/ran_3dj_01a_230206.pdf</a> |

Co-authors noted that the "half-blind" muxing term was the same as "symbol-pair" muxing as shown on slide 34 and would update the presentation summary slide with the clarification in version '01a'.

Questions of clarification were addressed.

During Straw Poll #6, the Chair asked the Chief Editor if the baseline proposal was sufficiently detailed for implementation in the draft by the editorial team. Chief Editor confirmed.

### Straw Poll #6

I would support adopting gustlin\_3df\_01b\_230206, slides 6-12, as the baseline for the 1.6TbE PCS/FEC, with the noted details (PCS lane forming and AM construction) to be determined later

Chair asked if there was anyone who would vote "no" on straw poll #6. One abstain was indicated.

Chair asked if there was opposition to proceeding directly to a motion. No one responded.

Chair noted that he would attempt to take the motion by unanimous consent. If there was objection, he would proceed with a roll call vote.

|                              |   |
|------------------------------|---|
| <b>Motion #10</b>            | Move to adopt gustlin_3df_01b_230206, slides 6-12, as the baseline for the 1.6TbE PCS/FEC, with the noted details (PCS lane forming and AM construction) to be determined later |
| <b>Technical (&gt;= 75%)</b> |   |
| <b>Moved by</b>              | Mark Gustlin  |
| <b>Second by</b>             | Matt Brown  |
| <b>Results 802.3 (y/n/a)</b> | passed by unanimous consent 10:32 a.m.  |

### Straw Poll #7

For 200GBASE-R, 400GBASE-R, and 800GBASE-R PMAs operating at 200 Gb/s per lane, I would support the direction of Symbol-pair multiplexing (as described in ran\_3dj\_01a\_230206)

Y: 43 , N: 4 , NMI: 32

Break at 10:52 a.m. Resumed at 10:57 a.m.

### Presentation #24

|            |   |
|------------|---|
| Title      | <b>Observation of Inner Code for 200 Gb/s per Lambda IM-DD Optical PMD</b>  |
| Presenters | Xinyuan Wang  |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0206/wangx_3dj_01a_230206.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0206/wangx_3dj_01a_230206.pdf</a> |

Questions of clarification were addressed.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

Prior to the start of the presentation, Arash Farhood noted that he had an updated presentation with editorial changes in version '01a'. Chair noted that he had not posted it to the Task Force website yet.

### Presentation #25

|            |   |
|------------|---|
| Title      | <b>Concatenated FEC baseline proposal for 200Gb/s per Lane IM-DD Optical PMD</b>  |
| Presenters | Arash Farhood, Will Bliss   |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0206/farhood_3dj_01a_230206.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0206/farhood_3dj_01a_230206.pdf</a> |

Questions of clarification were addressed.

### Presentation #26

|            |   |
|------------|---|
| Title      | <b>Concatenated FEC Proposal for 200 Gbps per Lane IMDD Optical PMD</b>   |
| Presenters | Masoud Barakatain   |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0206/barakatain_3dj_01a_230206.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0206/barakatain_3dj_01a_230206.pdf</a> |

Author noted an error with the table ordering on slide 7 not matching the pictures on slide 8 and would provide an updated version '01a' with the correction.

Questions of clarification were addressed.

Chair noted that he had updated presentations from the day that he would post to the Task Force website and announce over the email reflector.

Chair asked participants with presentation updates for Tuesday to send them to him via email.

Meeting recessed for the day at 12:51 p.m.



## **7 February 2023**

Meeting reconvened at 9:00 a.m. eastern time zone.

The IEEE P802.3df TF Chair (John D'Ambrosia) called the meeting to order at 9:00am and was chairing today's teleconference.

Chair made opening comments and reviewed the plans for the day. (see: [https://www.ieee802.org/3/dj/public/23\\_01/agenda\\_3dfdj\\_c\\_2301.pdf](https://www.ieee802.org/3/dj/public/23_01/agenda_3dfdj_c_2301.pdf)) Chair noted that the contribution from Jonathan Ingham was not on the agenda; he had collaborated with Brian Welch on a joint contribution.

Slide #17 - Chair noted that the information regarding the IEEE SA Policies had been sent out via the Task Force reflector, and requested that individuals review the following IEEE SA policies prior to the interim meeting –

- IEEE SA Patent policy
- IEEE SA Copyright Policy
- IEEE SA Participation Policy

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

Vice Chair reminded participants to declare their affiliation in the online meeting tool. Failure to declare affiliation would result in expulsion from the meeting.

### **Presentation #27**

|            |   |
|------------|---|
| Title      | <b>Concatenated FEC Codes for 800GE and 1.6TE</b>   |
| Presenters | Zongfeng Wang   |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0206/wangz_3dj_01a_230206.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0206/wangz_3dj_01a_230206.pdf</a> |

Questions of clarification were addressed.

Prior to the start of the presentation, Xiang He noted that he had an updated presentation with editorial changes in version '01a'. Chair noted that he had not posted it to the Task Force website yet.

### **Presentation #28**

|            |   |
|------------|---|
| Title      | <b>Interleaver Design for Concatenated Code with the (144,136) Code</b>   |
| Presenters | Xiang He  |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0206/he_3dj_01a_230206.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0206/he_3dj_01a_230206.pdf</a> |

Questions of clarification were addressed.

Chair noted the use of the term “baseline proposal” and the need to distinguish between an idea and a proposal. He asked participants to put “baseline proposal” and the relevant PMDs in future contribution titles when a proposal was made.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

### Presentation #29

|            |   |
|------------|---|
| Title      | <b>Bypass Options for Concatenated FEC</b>  |
| Presenters | Xiang He  |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0206/he_3dj_02a_230206.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0206/he_3dj_02a_230206.pdf</a> |

Piers Dawe offered his support to the contribution.

Questions of clarification were addressed.

Chair noted that the next agenda item was straw polls. The straw polls were related to the FEC and PMD topics. Based on offline conversation, he would like to defer straw polls to the end of the meeting. He asked if there was an objection. No one responded.

Break at 10:45 a.m. Resumed at 10:50 a.m.

Prior to the start of the presentation, Huanlu Li noted that he had an updated presentation with editorial changes in version '01a'. Chair noted that he had not posted it to the Task Force website yet.

### Presentation #30

|            |   |
|------------|---|
| Title      | <b>Consideration on 200G per lane 500m and 2km objectives</b>   |
| Presenters | Huanlu Li   |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0206/li_3dj_01a_230206.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0206/li_3dj_01a_230206.pdf</a> |

Questions of clarification were addressed.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

Prior to the start of the presentation, Brian Welch noted that he had an updated presentation with additional supporters in version '01a'. Chair noted that he had not posted it to the Task Force website yet.

### Presentation #31

|            |   |
|------------|---|
| Title      | <b>Baseline proposals for 200G/L PMD specifications for single wavelength 500m and 2km standards</b>  |
| Presenters | Brian Welch   |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0206/welch_3dj_01a_230206.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0206/welch_3dj_01a_230206.pdf</a> |

Vice-Chair provided a summary of the history on the potential 400GBASE-DR2-2 objective. Chair noted that more supporting material on the objective may be needed to support adding that objective at the Working Group. Questions of clarification were addressed.

During presentation #31, the Chair asked the Chief Editor if the baseline proposal was sufficiently detailed for implementation in the draft by the editorial team. The Chief Editor noted that more work was needed.

Chair outlined the series of straw polls to determine the next steps and where consensus was.

**Straw Poll #8**

I believe the DR based PMDs should be based on:

- A) E2E KP4
- B) Segmented KP4.
- C) Concatenated
- D) A or B
- E) B plus C
- F) Need more information

(choose one)

Results (all): A: 13, B: 2, C: 30, D: 10, E: 4, F: 49

**Straw Poll #9**

I would support adding the objective “Define a physical layer specification that supports 400 Gb/s operation over 2 pairs of SMF with lengths up to at least 2km”

Y: 76, N: 11, NMI: 23

Chair reviewed the plans for 8 February: presentations and straw polls.

Chair reminded participants of the March 2023 Plenary meeting. Registration and meeting fee was required for all participants. Presentation requests were due 2 March 2023. Presentations for posting were due 6 March 2023. (see: <https://www.ieee802.org/3/B400G/email/msg00643.html>)

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

Chair noted that the priority for Wednesday, 8 February, was to hear the remaining contributions. The remaining time would be used for straw polls and closing business.

Meeting recessed for the day at 12:57 p.m.

## **8 February 2023**

Meeting reconvened at 9:00 a.m. eastern time zone.

The IEEE P802.3df TF Chair (John D'Ambrosia) called the meeting to order at 9:00am and was chairing today's teleconference.

Chair made opening comments and reviewed the plans for the day. (see: [https://www.ieee802.org/3/dj/public/23\\_01/agenda\\_3dfdj\\_c\\_2301.pdf](https://www.ieee802.org/3/dj/public/23_01/agenda_3dfdj_c_2301.pdf) )

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

Vice Chair reminded participants to declare their affiliation in the online meeting tool. Failure to declare affiliation would result in expulsion from the meeting.

Slide #17 - Chair noted that the information regarding the IEEE SA Policies had been sent out via the Task Force reflector , and requested that individuals review the following IEEE SA policies prior to the interim meeting –

- IEEE SA Patent policy
- IEEE SA Copyright Policy
- IEEE SA Participation Policy

Prior to the start of presentation #32, the author had an updated presentation with additional supporters in version '01a'. Chair would post it to the website.

### **Presentation #32**

|            |   |
|------------|---|
| Title      | <b>FWM and zero dispersion wavelength analysis for 800G LR4</b>   |
| Presenters | Maxim Kuschnerov  |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0206/kuschnerov_3dj_01a_230206.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0206/kuschnerov_3dj_01a_230206.pdf</a> |

Chair noted that there were no 1.6TBASE-FR8 or 1.6TBASE-LR8 objectives adopted by the Task Force and asked the author to keep that topic separate in future contributions.

Questions of clarification were addressed.

Prior to the start of presentation #33, the author had an updated presentation with additional supporters in version '01a'. Chair would post it to the website.

### **Presentation #33**

|            |   |
|------------|---|
| Title      | <b>Time-dependence of FWM Outage Probability in 800G-LR4 PMD</b>  |
| Presenters | John Johnson  |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0206/johnson_3dj_01a_230206.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0206/johnson_3dj_01a_230206.pdf</a> |

Questions of clarification were addressed.

Chair noted that there were issues with the online meeting chat function and asked participants to confirm that they were in the queue.

Chair reminded the group that the Task Force was a contribution driven effort in response to a question on how to gather more fiber data.

#### **Presentation #34**

|            |   |
|------------|---|
| Title      | <b>Numerical Simulation of Polarization Multiplexing for Suppressing FWM</b>  |
| Presenters | Nobuhiko Kikuchi  |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0206/kikuchi_3dj_01b_230206.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0206/kikuchi_3dj_01b_230206.pdf</a> |

Chair noted that there were no 1.6TBASE-LR8 objectives adopted by the Task Force and asked the author to keep that topic separate in future contributions.

Questions of clarification were addressed.

Prior to the start of presentation #35, the author had an updated presentation with additional supporters in version '01a'. Chair would post it to the website.

#### **Presentation #35**

|            |   |
|------------|---|
| Title      | <b>Coherent solutions for 10 &amp; 40km 800Gb/s objectives in 802.3dj</b>   |
| Presenters | Eric Maniloff   |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0206/maniloff_3dj_01a_230206.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0206/maniloff_3dj_01a_230206.pdf</a> |

Questions of clarification were addressed.

Break at 11:20 a.m. Resumed at 11:25a.m.

The chair noted that presentation #36 had been reviewed by IEEE Risk Management, due to relative cost analysis.

#### **Presentation #36**

|            |   |
|------------|---|
| Title      | <b>Alignment of 800GBASE-LR1 and 800GBASE-ER1 with OIF800ZR Implementations- a baseline proposal</b>  |
| Presenters | Tom Williams  |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0206/williams_3dj_01a_230206.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0206/williams_3dj_01a_230206.pdf</a> |

When the presentation was over, the chair reminded the authors to work with Matt Brown, Chief Editor, on evaluating the completeness of the baseline proposal. Questions of clarification were addressed.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool for Task Force attendance credit.

Chair noted that the leadership worked offline to try to find a path through straw polls that would give the Task Force direction.

### Presentation #37

|            |   |
|------------|---|
| Title      | <b>Straw Poll Challenges</b>  |
| Presenters | John D'Ambrosia, Mark Nowell, Kent Lusted   |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0206/dambrosia_3dj_02_230206.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0206/dambrosia_3dj_02_230206.pdf</a> |

Chair noted that he would be reaching out to participants for contributions on terminology to facilitate communication and baseline discussion in the Task Force. Mr. Nowell indicated that there would be time during the upcoming Optics Ad hoc meeting on 22 Feb 2023 for such contributions to be considered.

Questions of clarification were addressed.

### Straw Poll #10

I support the direction of Concatenated FEC approach, based on the Inner code (128,120) with Padding as per farhood\_3dj\_01a\_230206 for -DR and -FR PMDs based on 200G/lambda IM-DD

Y: 50 , N: 18 , NMI: 45

### Presentation #38

|            |   |
|------------|---|
| Title      | <b>Leadership Observations</b>  |
| Presenters | John D'Ambrosia, Mark Nowell, Kent Lusted, Mark Gustlin   |
| URL        | <a href="https://www.ieee802.org/3/dj/public/23_01/23_0206/dambrosia_3dj_01_230206.pdf">https://www.ieee802.org/3/dj/public/23_01/23_0206/dambrosia_3dj_01_230206.pdf</a> |

Questions of clarification were addressed.

Chair reviewed the future meetings for the P802.3df and P802.3dj Task Forces. He noted that the future meetings' content in the agenda was outdated on slide 20 and slide 21. He would update the agenda to version 'd' with the updates. (see: [https://www.ieee802.org/3/dj/public/23\\_01/agenda\\_3dfdj\\_d\\_2301.pdf](https://www.ieee802.org/3/dj/public/23_01/agenda_3dfdj_d_2301.pdf) )

Chair reminded participants of the March 2023 Plenary meeting. Registration and meeting fee required for all participants. Presentation requests are due 2 March 2023. Presentations for posting are due 6 March 2023. (see: <https://www.ieee802.org/3/B400G/email/msg00643.html>)

Chair reminded participants that contributions with relative cost analysis need review by IEEE Risk Management and may take 30 days for a review.

Chair thanked participants for their discussions in the meeting sessions.

Meeting adjourned at 1:04 p.m.

## Attendees

16 January though 19 January 2023

| Date   | Name                  | Employer  | Affiliation                                       |
|--------|-----------------------|---|---|
| 16-Jan | Beauregard, Francois  | Belden Canada ULC                                 | Belden  |
| 16-Jan | Ben-Artsi, Liav       | Marvell Semiconductor, Inc.                       | Marvell Semiconductor, Inc.                       |
| 16-Jan | Bernier, Eric         | Huawei Technologies Canada Co., Ltd.              | Huawei Technologies Canada Co., Ltd.              |
| 16-Jan | Bois, Karl            | NVIDIA Corporation                                | NVIDIA Corporation                                |
| 16-Jan | Brown, Matthew        | Huawei Technologies Canada                        | Huawei Technologies Canada                        |
| 16-Jan | Bruckman, Leon        | Huawei Technologies Co., Ltd                      | Huawei Technologies Co., Ltd                      |
| 16-Jan | Cai, Yuefeng          |   | Huawei Technologies Co., Ltd                      |
| 16-Jan | Calvin, John          | Keysight Technologies                             | Keysight Technologies                             |
| 16-Jan | Cassan, Dave          | Alphawave   | Alphawave   |
| 16-Jan | Castro, Jose          | Panduit   | Panduit Corp.                                     |
| 16-Jan | Chang, Xin            | Huawei Technologies Co., Ltd                      | Huawei Technologies Co., Ltd                      |
| 17-Jan | Chang, Yongmao        | Inphi Corporation                                 | Source Photonics                                  |
| 16-Jan | Chappell, Neveia      |   | Keysight Technologies                             |
| 16-Jan | Choe, Denz            |   | BeCe Pte Ltd                                      |
| 16-Jan | Choudhury, Golam      | OFS   | OFS   |
| 16-Jan | D'Ambrosia, John      | Futurewei Technologies, U.S. Subsidiary of Huawei | Futurewei Technologies, U.S. Subsidiary of Huawei |
| 16-Jan | Dawe, Piers J G       | NVIDIA  | Nvidia  |
| 16-Jan | de Koos, Andras       | Microchip Technology Inc                          | Microchip Technology, Inc.                        |
| 16-Jan | Diminico, Christopher | M C Communications, LLC                           | Panduit Corp.                                     |
| 16-Jan | Dudek, Michael        | Marvell   | Marvell   |
| 16-Jan | Dumais, Patrick       |   | Huawei Technologies Co., Ltd                      |

| <b>Date</b> | <b>Name</b>             | <b>Employer</b>                                | <b>Affiliation</b>                              |
|-------------|-------------------------|--|---|
| 16-Jan      | Estes, David            | Spirent Communications                         | Spirent Communications                          |
| 16-Jan      | Ewen, John              | Marvell  | Marvell   |
| 16-Jan      | Ferretti, Vincent       | Corning Incorporated                           | Corning Incorporated                            |
| 16-Jan      | Gao, Xiangrong          | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                    |
| 16-Jan      | Ghiasi, Ali             | Ghiasi Quantum LLC                             | Ghiasi Quantum LLC; Marvell Semiconductor, Inc. |
| 16-Jan      | Gorshe, Steven<br>Scott | Microchip Technology, Inc.                     | Microchip Technology, Inc.                      |
| 16-Jan      | Gu, Tao                 |  | Centec  |
| 16-Jan      | Gustlin, Mark           | Cisco Systems, Inc.                            | Cisco Systems, Inc.                             |
| 16-Jan      | Han, Ruibo              | China Mobile Communications Corporation (CMCC) | China Mobile Communications Corporation (CMCC)  |
| 16-Jan      | Harstead, Ed            | Nokia  | Nokia   |
| 16-Jan      | He, Xiang               | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                    |
| 16-Jan      | Healey, Adam            | Broadcom Inc.                                  | Broadcom Inc.                                   |
| 16-Jan      | Heck, Howard            | Intel  | Intel   |
| 16-Jan      | Hegde,<br>Rajmohan      | Broadcom Corporation                           | Broadcom Ltd.                                   |
| 16-Jan      | Hidaka, Yasuo           | Credo Semiconductor                            | Credo Semiconductor                             |
| 16-Jan      | Huang, Kechao           | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                    |
| 16-Jan      | HUANG, QINHUI           | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                    |
| 16-Jan      | Huber, Thomas           | Nokia  | Nokia   |
| 16-Jan      | Ingham,<br>Jonathan     | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                    |
| 16-Jan      | Isono, Hideki           | Fujitsu Optical Components Limited             | Fujitsu Optical Components Limited              |
| 16-Jan      | Issenhuth, Tom          | Issenhuth Consulting, LLC                      | Huawei Technologies Co., Ltd                    |
| 16-Jan      | Jackson, Kenneth        | Sumitomo Electric Device Innovations,<br>USA   | Sumitomo Electric Industries, LTD               |



| <b>Date</b> | <b>Name</b>              | <b>Employer</b>                      | <b>Affiliation</b>                                       |
|-------------|--------------------------|--------------------------------------|--|
| 16-Jan      | Jiang, Chendi            | Huawei Technologies Co., Ltd         | Huawei Technologies Co., Ltd                             |
| 16-Jan      | Kabra, Lokesh            | Synopsys, Inc.                       | Synopsys, Inc.   |
| 16-Jan      | Kareti, Upen             | Cisco Systems, Inc.                  | Cisco Systems, Inc.                                      |
| 16-Jan      | Kimber, Eric             | Semtech Ltd                          | Semtech Ltd  |
| 16-Jan      | Koch, Lavi               |                                      | Lavi Koch Nvidia   |
| 16-Jan      | Kochuparambil, Elizabeth | Cisco Systems, Inc.                  | Cisco Systems, Inc.                                      |
| 16-Jan      | Kocsis, Sam              | Amphenol Corporation                 | Amphenol Corporation                                     |
| 16-Jan      | Koehler, Daniel          | MorethanIP                           | Synopsys, Inc.   |
| 16-Jan      | Kondo, Taiji             | MegaChips Corporation                | Dexerials Corporation                                    |
| 16-Jan      | Lambert, Angela          |                                      | Corning Incorporated                                     |
| 16-Jan      | Law, David               | Hewlett Packard Enterprise           | Hewlett Packard Enterprise                               |
| 16-Jan      | Lee, Sylvanus            | Leviton Manufacturing Co.            | Leviton Manufacturing Co.                                |
| 16-Jan      | Levin, Itamar            |                                      | Intel Corporation  |
| 16-Jan      | Li, Mike-Peng            | Intel                                | Intel  |
| 16-Jan      | Li, Pei-Rong             | MediaTek Inc.                        | MediaTek Inc.  |
| 16-Jan      | Lieder, Eyal             |                                      | Marvell Semiconductor, Inc.                              |
| 16-Jan      | Lin, Youxi               | Huawei Technologies Duesseldorf GmbH | Huawei Technologies Co., Ltd                             |
| 16-Jan      | Liu, Cathy               | Broadcom Corporation                 | Broadcom Corporation                                     |
| 16-Jan      | LIU, XIANG               | Huawei R&D USA                       | Huawei Technologies Co., Ltd                             |
| 16-Jan      | Lu, Yuchun               | Huawei Technologies Co., Ltd         | Huawei Technologies Co., Ltd                             |
| 16-Jan      | Lusted, Kent             | Intel                                | Intel  |
| 16-Jan      | Maguire, Valerie         | Copperopolis                         | The Siemon Company                                       |
| 16-Jan      | Maki, Jeffery            | Juniper Networks, Inc.               | Juniper Networks, Inc.                                   |
| 16-Jan      | Malicoat, David          | Malicoat Networking Solutions        | Malicoat Networking Solutions; SENKO Advanced Components |

| <b>Date</b> | <b>Name</b>       | <b>Employer</b>                        | <b>Affiliation</b>                     |
|-------------|-------------------|--|--|
| 16-Jan      | Maniloff, Eric    | Ciena Corporation                      | Ciena Corporation                      |
| 16-Jan      | Marris, Arthur    | Cadence Design Systems, Inc.           | Cadence Design Systems, Inc.           |
| 16-Jan      | Mitcheltree, Tom  | US Conec, Ltd.                         | US Conec, Ltd.                         |
| 16-Jan      | Moorwood, Charles | Keysight Technologies                  | Keysight Technologies                  |
| 16-Jan      | Mu, Jianwei       |  | Hisense                                |
| 16-Jan      | Muller, Shimon    | Enfabrica Corp.                        | Enfabrica                              |
| 16-Jan      | Nakamoto, Edward  | Spirent Communications                 | Spirent Communications                 |
| 16-Jan      | Nicholl, Shawn    | Xilinx                                 | Advanced Micro Devices (AMD)           |
| 16-Jan      | Ninomiya, Takuya  |  | Senko Advanced Components              |
| 16-Jan      | Nowell, Mark      | Cisco Systems, Inc.                    | Cisco Systems, Inc.                    |
| 16-Jan      | Ofelt, David      | Juniper Networks, Inc.                 | Juniper Networks, Inc.                 |
| 16-Jan      | Omori, Kumi       | NEC Corporation                        | NEC Corporation                        |
| 16-Jan      | Opsasnick, Eugene | Broadcom Inc.                          | Broadcom Inc.                          |
| 16-Jan      | Palkert, Thomas   | Macom,&nbsp;&nbsp;&nbsp;Samtec         | Samtec-Macom                           |
| 16-Jan      | Pandey, Sujan     | Huawei Technologies (Netherlands) B.V. | Huawei Technologies (Netherlands) B.V. |
| 16-Jan      | PARK, CHUL SOO    | Juniper Networks Inc.                  | Juniper Networks, Inc.                 |
| 16-Jan      | Parsons, Earl     | CommScope, Inc.                        | CommScope, Inc.                        |
| 16-Jan      | peng, semmy       |  | Huawei Technologies Co., Ltd           |
| 16-Jan      | Pimpinella, Rick  | Panduit Corp.                          | Panduit Corp.                          |
| 16-Jan      | Rabinovich, Rick  | Keysight Technologies                  | Keysight Technologies                  |
| 16-Jan      | Rahn, Jeffrey     | Facebook                               | Facebook                               |
| 16-Jan      | Ramesh, Sridhar   | MaxLinear                              | MAXLINEAR INC                          |
| 16-Jan      | Ran, Adee         | Cisco Systems, Inc.                    | Cisco Systems, Inc.                    |

| <b>Date</b> | <b>Name</b>         | <b>Employer</b>  | <b>Affiliation</b>                      |
|-------------|---------------------|--|---|
| 16-Jan      | Rechtman, Zvi       | NVIDIA   | NVIDIA                                  |
| 16-Jan      | Ren, Hao            | Huawei Technologies Co., Ltd   | Huawei Technologies Co., Ltd            |
| 16-Jan      | Rodes, Roberto      | II-VI  | II-VI                                   |
| 16-Jan      | Sakai, Toshiaki     | Socionext Inc.   | socionext                               |
| 16-Jan      | Sambasivan, Sam     | AT&T   | AT&T                                    |
| 16-Jan      | SAWANO,<br>Hiroshi  | OITDA (Optoelectronics Industry and<br>Technology Development Association) | OITDA                                   |
| 16-Jan      | Shanbhag,<br>Megha  | Tyco   | TE Connectivity                         |
| 16-Jan      | Sheffi, Nir         |  | Banias Labs                             |
| 16-Jan      | Shoval, Ayal        | Synopsys, Inc.   | Synopsys, Inc.                          |
| 16-Jan      | Shukla, Priyank     | Synopsys, Inc.   | Synopsys, Inc.                          |
| 16-Jan      | Sikkink, Mark       | Hewlett Packard Enterprise   | Hewlett Packard Enterprise              |
| 16-Jan      | Simms, William      | NVIDIA Corporation   | NVIDIA Corporation                      |
| 16-Jan      | Sinn, Peter         |  | Alphawave IP                            |
| 16-Jan      | Sommers, Scott      | Molex LLC  | Molex Incorporated                      |
| 16-Jan      | Son, Yung Sung      | Optomind Inc   | Optomind Inc                            |
| 16-Jan      | Sprague, Edward     | Infinera Corporation   | Infinera Corporation                    |
| 16-Jan      | Stassar, Peter      | Huawei Technologies Co., Ltd   | Huawei Technologies Co., Ltd            |
| 16-Jan      | SU,<br>CHANGZHENG   |  | Huawei Technologies Co., Ltd            |
| 16-Jan      | TAKAHARA,<br>TOMOO  | FUJITSU LABORATORIES LIMITED   | FUJITSU LIMITED                         |
| 16-Jan      | Theodoras,<br>James | HG Genuine   | HG Genuine                              |
| 16-Jan      | Tracy, Nathan       | TE Connectivity  | TE Connectivity                         |
| 16-Jan      | Vitali, Marco       | Sicoya   | Sicoya                                  |
| 16-Jan      | Wang, Haojie        | China Mobile Communications  | China Mobile Communications Corporation |

| <b>Date</b> | <b>Name</b>          | <b>Employer</b>                      | <b>Affiliation</b>                      |
|-------------|----------------------|--------------------------------------|---|
|             |                      | Corporation (CMCC)                   | (CMCC)                                  |
| 16-Jan      | Wang, Ruoxu          | Huawei Technologies Co., Ltd         | Huawei Technologies Co., Ltd            |
| 16-Jan      | Wang, Xinyuan        | Huawei Technologies Co., Ltd         | Huawei Technologies Co., Ltd            |
| 16-Jan      | Weaver, James        | Arista Networks                      | Arista Networks                         |
| 16-Jan      | Withey, James        | Fluke Corporation                    | Fluke Corporation                       |
| 16-Jan      | Wong, Henry          |                                      | Alphawave Semi                          |
| 16-Jan      | Wu, Mau-Lin          | MediaTek Inc.                        | MediaTek Inc.                           |
| 16-Jan      | Xu, Yu               | Huawei Technologies Co., Ltd         | Huawei Technologies Co., Ltd            |
| 16-Jan      | yan, zengchao        | Huawei Technologies Co., Ltd         | Huawei Technologies Co., Ltd            |
| 16-Jan      | Yin, Shuang          |                                      | Google                                  |
| 16-Jan      | Zhuang, Yan          | Huawei Technologies Co., Ltd         | Huawei Technologies Co., Ltd            |
| 17-Jan      | Aekins, Rob          | Legrand                              | Legrand                                 |
| 17-Jan      | Beauregard, Francois | Belden Canada ULC                    | Belden                                  |
| 17-Jan      | Ben-Artzi, Liav      | Marvell Semiconductor, Inc.          | Marvell Semiconductor, Inc.             |
| 17-Jan      | Bernier, Eric        | Huawei Technologies Canada Co., Ltd. | Huawei Technologies Canada Co., Ltd.    |
| 17-Jan      | Bliss, William       | Broadcom Corporation                 | Broadcom Corporation                    |
| 17-Jan      | Bois, Karl           | NVIDIA Corporation                   | NVIDIA Corporation                      |
| 17-Jan      | Brown, Matthew       | Huawei Technologies Canada           | Huawei Technologies Canada              |
| 17-Jan      | Bruckman, Leon       | Huawei Technologies Co., Ltd         | Huawei Technologies Co., Ltd            |
| 17-Jan      | Cai, Yuefeng         |                                      | Huawei Technologies Co., Ltd            |
| 17-Jan      | Calvin, John         | Keysight Technologies                | Keysight Technologies                   |
| 17-Jan      | Casher, Patrick      |                                      | Foxconn Interconnect Technologies (FIT) |
| 17-Jan      | Cassan, Dave         | Alphawave                            | Alphawave                               |
| 17-Jan      | Castro, Jose         | Panduit                              | Panduit Corp.                           |
| 17-Jan      | Chang, Xin           | Huawei Technologies Co., Ltd         | Huawei Technologies Co., Ltd            |

| <b>Date</b> | <b>Name</b>           | <b>Employer</b>                                   | <b>Affiliation</b>                                |
|-------------|-----------------------|---|---|
| 17-Jan      | Chang, Yongmao        | Inphi Corporation                                 | Source Photonics                                  |
| 17-Jan      | Chappell, Neveia      |   | Keysight Technologies                             |
| 17-Jan      | Chen, Chan            | Self Employed                                     | Applied Optoelectronics, Inc.                     |
| 17-Jan      | cheng, weiqiang       | China Mobile Limited                              | China Mobile Limited                              |
| 17-Jan      | Choe, Denz            |   | BeCe Pte Ltd                                      |
| 17-Jan      | Choudhury, Golam      | OFS   | OFS   |
| 17-Jan      | Cole, Christopher R   | Finisar Corporation                               | Finisar Corporation                               |
| 17-Jan      | Cox, Ian              |   | Broadcom Corporation                              |
| 17-Jan      | D'Ambrosia, John      | Futurewei Technologies, U.S. Subsidiary of Huawei | Futurewei Technologies, U.S. Subsidiary of Huawei |
| 17-Jan      | Dawe, Piers J G       | NVIDIA  | Nvidia  |
| 17-Jan      | Deandrea, John        | Finisar Corporation                               | Finisar Corporation                               |
| 17-Jan      | de Koos, Andras       | Microchip Technology Inc                          | Microchip Technology, Inc.                        |
| 17-Jan      | Del Vecchio, Peter    |   | Broadcom Corporation                              |
| 17-Jan      | Didde, Stephen        | Keysight Technologies                             | Keysight Technologies                             |
| 17-Jan      | Diminico, Christopher | M C Communications, LLC                           | Panduit Corp.                                     |
| 17-Jan      | Dube, Kathryn         | UNH-IOL   | UNH-IOL   |
| 17-Jan      | Dudek, Michael        | Marvell   | Marvell   |
| 17-Jan      | Dumais, Patrick       |   | Huawei Technologies Co., Ltd                      |
| 17-Jan      | Estes, David          | Spirent Communications                            | Spirent Communications                            |
| 17-Jan      | Ewen, John            | Marvell   | Marvell   |
| 17-Jan      | FILIPPOU, DIMITRIS    |   | Dimitris Filippou; I2QS                           |
| 17-Jan      | Gao, Xiangrong        | Huawei Technologies Co., Ltd                      | Huawei Technologies Co., Ltd                      |

| <b>Date</b> | <b>Name</b>      | <b>Employer</b>                           | <b>Affiliation</b>                              |
|-------------|------------------|---|---|
| 17-Jan      | Geng, Limin      | Huawei Technologies Co., Ltd              | Huawei Technologies Co., Ltd                    |
| 17-Jan      | Ghiasi, Ali      | Ghiasi Quantum LLC                        | Ghiasi Quantum LLC; Marvell Semiconductor, Inc. |
| 17-Jan      | Gore, Brandon    | Samtec, Inc.                              | Samtec, Inc.                                    |
| 17-Jan      | Gu, Tao          |   | Centec  |
| 17-Jan      | Gustlin, Mark    | Cisco Systems, Inc.                       | Cisco Systems, Inc.                             |
| 17-Jan      | He, Xiang        | Huawei Technologies Co., Ltd              | Huawei Technologies Co., Ltd                    |
| 17-Jan      | Healey, Adam     | Broadcom Inc.                             | Broadcom Inc.                                   |
| 17-Jan      | Heck, Howard     | Intel                                     | Intel   |
| 17-Jan      | Hegde, Rajmohan  | Broadcom Corporation                      | Broadcom Ltd.                                   |
| 17-Jan      | Hidaka, Yasuo    | Credo Semiconductor                       | Credo Semiconductor                             |
| 17-Jan      | Hoyer, Claus     |   | Xena Networks                                   |
| 17-Jan      | HUANG, QINHUI    | Huawei Technologies Co., Ltd              | Huawei Technologies Co., Ltd                    |
| 17-Jan      | Huber, Thomas    | Nokia                                     | Nokia   |
| 17-Jan      | Hutchins, Jeff   | Ranovus                                   | Ranovus   |
| 17-Jan      | Ingham, Jonathan | Huawei Technologies Co., Ltd              | Huawei Technologies Co., Ltd                    |
| 17-Jan      | Isono, Hideki    | Fujitsu Optical Components Limited        | Fujitsu Optical Components Limited              |
| 17-Jan      | Issenhuth, Tom   | Issenhuth Consulting, LLC                 | Huawei Technologies Co., Ltd                    |
| 17-Jan      | Jackson, Kenneth | Sumitomo Electric Device Innovations, USA | Sumitomo Electric Industries, LTD               |
| 17-Jan      | Jiang, Chendi    | Huawei Technologies Co., Ltd              | Huawei Technologies Co., Ltd                    |
| 17-Jan      | Jimenez, Andrew  | Anixter Inc.                              | Anixter Inc.                                    |
| 17-Jan      | Johnson, John    | Broadcom Corporation                      | Broadcom Corporation                            |
| 17-Jan      | Kabra, Lokesh    | Synopsys, Inc.                            | Synopsys, Inc.                                  |
| 17-Jan      | Kao, Chienping   | Intel                                     | Cornelis Networks                               |

| <b>Date</b> | <b>Name</b>              | <b>Employer</b>                      | <b>Affiliation</b>           |
|-------------|--------------------------|--------------------------------------|------------------------------|
| 17-Jan      | Kareti, Upen             | Cisco Systems, Inc.                  | Cisco Systems, Inc.          |
| 17-Jan      | Kikuchi,<br>Nobuhiko     |                                      | Hitachi, Ltd.                |
| 17-Jan      | Kim, Inho                | MaxLinear                            | MaxLinear                    |
| 17-Jan      | Kim,<br>Kihong/Joshua    | Hirose Electric (USA), Inc.          | Hirose Electric (USA), Inc.  |
| 17-Jan      | Kimber, Eric             | Semtech Ltd                          | Semtech Ltd                  |
| 17-Jan      | Klempa, Michael          | Amphenol Corporation                 | Alphawave IP                 |
| 17-Jan      | Klingensmith,<br>William | U.S. Federal Government              | DoD                          |
| 17-Jan      | Koch, Lavi               |                                      | Lavi Koch Nvidia             |
| 17-Jan      | Kocsis, Sam              | Amphenol Corporation                 | Amphenol Corporation         |
| 17-Jan      | Kondo, Taiji             | MegaChips Corporation                | Dexerials Corporation        |
| 17-Jan      | Krishnasamy,<br>Kumaran  | Broadcom Corporation                 | Broadcom Corporation         |
| 17-Jan      | Lam, Cedric              |                                      | Google                       |
| 17-Jan      | Lambert, Angela          | Corning Incorporated                 | Corning Incorporated         |
| 17-Jan      | Lawson,<br>Matthew       | Cisco Systems, Inc.                  | Cisco Systems, Inc.          |
| 17-Jan      | Le Cheminant,<br>Greg    | Keysight Technologies                | Keysight Technologies        |
| 17-Jan      | Lee, Sylvanus            | Leviton Manufacturing Co.            | Leviton Manufacturing Co.    |
| 17-Jan      | Levin, Itamar            |                                      | Intel Corporation            |
| 17-Jan      | Li, Mike-Peng            | Intel                                | Intel                        |
| 17-Jan      | Li, Pei-Rong             | MediaTek Inc.                        | MediaTek Inc.                |
| 17-Jan      | Lieder, Eyal             |                                      | Marvell Semiconductor, Inc.  |
| 17-Jan      | Lim, Jane                | Cisco Systems, Inc.                  | Cisco Systems, Inc.          |
| 17-Jan      | Lin, Youxi               | Huawei Technologies Duesseldorf GmbH | Huawei Technologies Co., Ltd |

| <b>Date</b> | <b>Name</b>        | <b>Employer</b>               | <b>Affiliation</b>                                       |
|-------------|--------------------|-------------------------------|--|
| 17-Jan      | Liu, Cathy         | Broadcom Corporation          | Broadcom Corporation                                     |
| 17-Jan      | Liu, Hai-Feng      | HG Genuine                    | HG Genuine   |
| 17-Jan      | Liu, Karen         | Nubis Communications          | Nubis Communications                                     |
| 17-Jan      | LIU, XIANG         | Huawei R&D USA                | Huawei Technologies Co., Ltd                             |
| 17-Jan      | Lu, Yuchun         | Huawei Technologies Co., Ltd  | Huawei Technologies Co., Ltd                             |
| 17-Jan      | Luo, Yuanqiu       | Futurewei Technologies        | Futurewei Technologies                                   |
| 17-Jan      | Lusted, Kent       | Intel                         | Intel  |
| 17-Jan      | Maki, Jeffery      | Juniper Networks, Inc.        | Juniper Networks, Inc.                                   |
| 17-Jan      | Malicoat, David    | Malicoat Networking Solutions | Malicoat Networking Solutions; SENKO Advanced Components |
| 17-Jan      | Maniloff, Eric     | Ciena Corporation             | Ciena Corporation  |
| 17-Jan      | Marris, Arthur     | Cadence Design Systems, Inc.  | Cadence Design Systems, Inc.                             |
| 17-Jan      | Mellitz, Richard   | Samtec, Inc.                  | Samtec, Inc.   |
| 17-Jan      | mi, guangcan       | Huawei Technologies Co., Ltd  | Huawei Technologies Co., Ltd                             |
| 17-Jan      | Moorwood, Charles  | Keysight Technologies         | Keysight Technologies                                    |
| 17-Jan      | Mu, Jianwei        |                               | Hisense  |
| 17-Jan      | Muhigana, Ernest   |                               | Lumentum   |
| 17-Jan      | Muller, Shimon     | Enfabrica Corp.               | Enfabrica  |
| 17-Jan      | Murty, Ramana      | Broadcom Inc.                 | Broadcom Corporation                                     |
| 17-Jan      | Naderi Shahi, Sina |                               | Marvell  |
| 17-Jan      | Nakamoto, Edward   | Spirent Communications        | Spirent Communications                                   |
| 17-Jan      | Nering, Raymond    | Cisco Systems, Inc.           | Cisco Systems, Inc.                                      |
| 17-Jan      | Nicholl, Gary      | Cisco Systems, Inc.           | Cisco Systems, Inc.                                      |



| <b>Date</b> | <b>Name</b>       | <b>Employer</b>                        | <b>Affiliation</b>                     |
|-------------|-------------------|--|--|
| 17-Jan      | Nicholl, Shawn    | Xilinx                                 | Advanced Micro Devices (AMD)           |
| 17-Jan      | Ninomiya, Takuya  |  | Senko Advanced Components              |
| 17-Jan      | Noujeim, Leesa    | Google                                 | Google                                 |
| 17-Jan      | Nowell, Mark      | Cisco Systems, Inc.                    | Cisco Systems, Inc.                    |
| 17-Jan      | Ofelt, David      | Juniper Networks, Inc.                 | Juniper Networks, Inc.                 |
| 17-Jan      | Omori, Kumi       | NEC Corporation                        | NEC Corporation                        |
| 17-Jan      | Opsasnick, Eugene | Broadcom Inc.                          | Broadcom Inc.                          |
| 17-Jan      | Palkert, Thomas   | Macom,&nbsp;Samtec                     | Samtec-Macom                           |
| 17-Jan      | Pandey, Sujan     | Huawei Technologies (Netherlands) B.V. | Huawei Technologies (Netherlands) B.V. |
| 17-Jan      | PARK, CHUL SOO    | Juniper Networks Inc.                  | Juniper Networks, Inc.                 |
| 17-Jan      | peng, semmy       |  | Huawei Technologies Co., Ltd           |
| 17-Jan      | Pepper, Gerald    | Keysight Technologies                  | Keysight Technologies                  |
| 17-Jan      | Piehler, David    | Dell Technologies                      | Dell                                   |
| 17-Jan      | Pimpinella, Rick  | Panduit Corp.                          | Panduit Corp.                          |
| 17-Jan      | Rabinovich, Rick  | Keysight Technologies                  | Keysight Technologies                  |
| 17-Jan      | Rahn, Jeffrey     | Facebook                               | Facebook                               |
| 17-Jan      | Ramesh, Sridhar   | MaxLinear                              | MAXLINEAR INC                          |
| 17-Jan      | Ran, Adee         | Cisco Systems, Inc.                    | Cisco Systems, Inc.                    |
| 17-Jan      | Rechtman, Zvi     | NVIDIA                                 | NVIDIA                                 |
| 17-Jan      | Ren, Hao          | Huawei Technologies Co., Ltd           | Huawei Technologies Co., Ltd           |
| 17-Jan      | Rodes, Roberto    | II-VI                                  | II-VI                                  |
| 17-Jan      | Rush, Joshua      |  | UNH-IOL                                |
| 17-Jan      | Sakai, Toshiaki   | Socionext Inc.                         | socionext                              |
| 17-Jan      | Sambasivan, Sam   | AT&T                                   | AT&T                                   |

| <b>Date</b> | <b>Name</b>           | <b>Employer</b>              | <b>Affiliation</b>           |
|-------------|-----------------------|------------------------------|------------------------------|
| 17-Jan      | Savi, Olindo          | Hubbell Incorporated         | Hubbell Incorporated         |
| 17-Jan      | Sekel, Steve          |                              | Wilder Technologies          |
| 17-Jan      | Shanbhag,<br>Megha    | Tyco                         | TE Connectivity              |
| 17-Jan      | Shoval, Ayal          | Synopsys, Inc.               | Synopsys, Inc.               |
| 17-Jan      | Shrikhande, Kapil     | Marvell Semiconductor, Inc.  | Marvell Semiconductor, Inc.  |
| 17-Jan      | Shukla, Priyank       | Synopsys, Inc.               | Synopsys, Inc.               |
| 17-Jan      | Sikkink, Mark         | Hewlett Packard Enterprise   | Hewlett Packard Enterprise   |
| 17-Jan      | Simms, William        | NVIDIA Corporation           | NVIDIA Corporation           |
| 17-Jan      | Sinn, Peter           |                              | Alphawave IP                 |
| 17-Jan      | Sluyski, Mike         |                              | Cisco Systems, Inc.          |
| 17-Jan      | Sommers, Scott        | Molex LLC                    | Molex Incorporated           |
| 17-Jan      | Son, Yung Sung        | Optomind Inc                 | Optomind Inc                 |
| 17-Jan      | Sorbara,<br>Massimo   | GLOBALFOUNDRIES              | GLOBALFOUNDRIES              |
| 17-Jan      | Sprague, Edward       | Infinera Corporation         | Infinera Corporation         |
| 17-Jan      | Stassar, Peter        | Huawei Technologies Co., Ltd | Huawei Technologies Co., Ltd |
| 17-Jan      | SU,<br>CHANGZHENG     |                              | Huawei Technologies Co., Ltd |
| 17-Jan      | TAKAHARA,<br>TOMOO    | FUJITSU LABORATORIES LIMITED | FUJITSU LIMITED              |
| 17-Jan      | Tellas, Ronald        | Belden                       | Belden                       |
| 17-Jan      | Terada, Masaru        | FURUKAWA ELECTRIC            | FURUKAWA ELECTRIC            |
| 17-Jan      | Theodoras,<br>James   | HG Genuine                   | HG Genuine                   |
| 17-Jan      | Toyserkani,<br>Pirooz | Cisco Systems, Inc.          | Cisco Systems, Inc.          |
| 17-Jan      | Tracy, Nathan         | TE Connectivity              | TE Connectivity              |

| <b>Date</b> | <b>Name</b>          | <b>Employer</b>                                | <b>Affiliation</b>                             |
|-------------|----------------------|--|--|
| 17-Jan      | Tran, Viet           | Keysight Technologies                          | Keysight Technologies                          |
| 17-Jan      | Ulrichs, Ed          | Intel  | Intel  |
| 17-Jan      | Vitali, Marco        | Sicoya   | Sicoya   |
| 17-Jan      | Wang, Haojie         | China Mobile Communications Corporation (CMCC) | China Mobile Communications Corporation (CMCC) |
| 17-Jan      | Wang, Ruoxu          | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                   |
| 17-Jan      | Wang, Xinyuan        | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                   |
| 17-Jan      | Weaver, James        | Arista Networks                                | Arista Networks                                |
| 17-Jan      | Welch, Brian         | Cisco Systems, Inc.                            | Luxtera  |
| 17-Jan      | Wey, Jun Shan        | Verizon Communications                         | Verizon Communications                         |
| 17-Jan      | Williams, Tom        | Cisco Systems, Inc.                            | Cisco Systems, Inc.                            |
| 17-Jan      | Wingrove, Michael    | Ciena Corporation                              | Ciena Corporation                              |
| 17-Jan      | Wong, Henry          |  | Alphawave Semi                                 |
| 17-Jan      | Wu, Mau-Lin          | MediaTek Inc.                                  | MediaTek Inc.                                  |
| 17-Jan      | Wu, Peter            | Marvell Semiconductor, Inc.                    | Marvell Semiconductor, Inc.                    |
| 17-Jan      | Xu, Yu               | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                   |
| 17-Jan      | yan, zengchao        | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                   |
| 17-Jan      | Yin, Shuang          |  | Google   |
| 17-Jan      | Zhou, Xiang          |  | Google   |
| 17-Jan      | Zhuang, Yan          | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                   |
| 18-Jan      | Aekins, Rob          | Legrand  | Legrand  |
| 18-Jan      | Akbaba, Enis         | Analog Devices Inc.                            | Analog Devices Inc.                            |
| 18-Jan      | Beauregard, Francois | Belden Canada ULC                              | Belden   |
| 18-Jan      | Bernier, Eric        | Huawei Technologies Canada Co., Ltd.           | Huawei Technologies Canada Co., Ltd.           |
| 18-Jan      | Bliss, William       | Broadcom Corporation                           | Broadcom Corporation                           |

| <b>Date</b> | <b>Name</b>            | <b>Employer</b>                                      | <b>Affiliation</b>                                   |
|-------------|------------------------|--|--|
| 18-Jan      | Bois, Karl             | NVIDIA Corporation                                   | NVIDIA Corporation                                   |
| 18-Jan      | Borda, jamila<br>josip | BMW Group  | BMW Group  |
| 18-Jan      | Brown, Matthew         | Huawei Technologies Canada                           | Huawei Technologies Canada                           |
| 18-Jan      | Bruckman, Leon         | Huawei Technologies Co., Ltd                         | Huawei Technologies Co., Ltd                         |
| 18-Jan      | Cai, Yuefeng           |  | Huawei Technologies Co., Ltd                         |
| 18-Jan      | Calvin, John           | Keysight Technologies                                | Keysight Technologies                                |
| 18-Jan      | Cassan, Dave           | Alphawave  | Alphawave  |
| 18-Jan      | Castro, Jose           | Panduit  | Panduit Corp.  |
| 18-Jan      | Chang, Yongmao         | Inphi Corporation                                    | Source Photonics                                     |
| 18-Jan      | Chappell, Neveia       |  | Keysight Technologies                                |
| 18-Jan      | Chen, Chan             | Self Employed  | Applied Optoelectronics, Inc.                        |
| 18-Jan      | Chen, Chin-Hui         |  | Meta Platforms                                       |
| 18-Jan      | cheng, weiqiang        | China Mobile Limited                                 | China Mobile Limited                                 |
| 18-Jan      | Choe, Denz             |  | BeCe Pte Ltd   |
| 18-Jan      | Choudhury,<br>Golam    | OFS  | OFS  |
| 18-Jan      | Cole,<br>Christopher R | Finisar Corporation                                  | Finisar Corporation                                  |
| 18-Jan      | Cox, Ian               |  | Broadcom Corporation                                 |
| 18-Jan      | D'Ambrosia,<br>John    | Futurewei Technologies, U.S. Subsidiary of<br>Huawei | Futurewei Technologies, U.S. Subsidiary of<br>Huawei |
| 18-Jan      | Dawe, Piers J G        | NVIDIA   | Nvidia   |
| 18-Jan      | Deandrea, John         | Finisar Corporation                                  | Finisar Corporation                                  |
| 18-Jan      | de Koos, Andras        | Microchip Technology Inc                             | Microchip Technology, Inc.                           |
| 18-Jan      | Del Vecchio,<br>Peter  |  | Broadcom Corporation                                 |
| 18-Jan      | Didde, Stephen         | Keysight Technologies                                | Keysight Technologies                                |

| <b>Date</b> | <b>Name</b>           | <b>Employer</b>              | <b>Affiliation</b>                              |
|-------------|-----------------------|------------------------------|---|
| 18-Jan      | Diminico, Christopher | M C Communications, LLC      | Panduit Corp.                                   |
| 18-Jan      | Dube, Kathryn         | UNH-IOL                      | UNH-IOL   |
| 18-Jan      | Dudek, Michael        | Marvell                      | Marvell   |
| 18-Jan      | Dumais, Patrick       |                              | Huawei Technologies Co., Ltd                    |
| 18-Jan      | Effenberger, Frank    | Futurewei Technologies       | Futurewei Technologies                          |
| 18-Jan      | Estes, David          | Spirent Communications       | Spirent Communications                          |
| 18-Jan      | Ewen, John            | Marvell                      | Marvell   |
| 18-Jan      | FILIPPOU, DIMITRIS    |                              | Dimitris Filippou; I2QS                         |
| 18-Jan      | Gao, Xiangrong        | Huawei Technologies Co., Ltd | Huawei Technologies Co., Ltd                    |
| 18-Jan      | Geng, Limin           | Huawei Technologies Co., Ltd | Huawei Technologies Co., Ltd                    |
| 18-Jan      | Ghiasi, Ali           | Ghiasi Quantum LLC           | Ghiasi Quantum LLC; Marvell Semiconductor, Inc. |
| 18-Jan      | Gore, Brandon         | Samtec, Inc.                 | Samtec, Inc.                                    |
| 18-Jan      | Gorshe, Steven Scott  | Microchip Technology, Inc.   | Microchip Technology, Inc.                      |
| 18-Jan      | Gustlin, Mark         | Cisco Systems, Inc.          | Cisco Systems, Inc.                             |
| 18-Jan      | He, Xiang             | Huawei Technologies Co., Ltd | Huawei Technologies Co., Ltd                    |
| 18-Jan      | Healey, Adam          | Broadcom Inc.                | Broadcom Inc.                                   |
| 18-Jan      | Heck, Howard          | Intel                        | Intel   |
| 18-Jan      | Hegde, Rajmohan       | Broadcom Corporation         | Broadcom Ltd.                                   |
| 18-Jan      | Hidaka, Yasuo         | Credo Semiconductor          | Credo Semiconductor                             |
| 18-Jan      | Hoyer, Claus          |                              | Xena Networks                                   |
| 18-Jan      | Huang, Kechao         | Huawei Technologies Co., Ltd | Huawei Technologies Co., Ltd                    |
| 18-Jan      | HUANG, QINHUI         | Huawei Technologies Co., Ltd | Huawei Technologies Co., Ltd                    |

| <b>Date</b> | <b>Name</b>              | <b>Employer</b>                           | <b>Affiliation</b>                 |
|-------------|--------------------------|---|------------------------------------|
| 18-Jan      | Huber, Thomas            | Nokia                                     | Nokia                              |
| 18-Jan      | Hutchins, Jeff           | Ranovus                                   | Ranovus                            |
| 18-Jan      | Ingham, Jonathan         | Huawei Technologies Co., Ltd              | Huawei Technologies Co., Ltd       |
| 18-Jan      | Isono, Hideki            | Fujitsu Optical Components Limited        | Fujitsu Optical Components Limited |
| 18-Jan      | Issenhuth, Tom           | Issenhuth Consulting, LLC                 | Huawei Technologies Co., Ltd       |
| 18-Jan      | Jackson, Kenneth         | Sumitomo Electric Device Innovations, USA | Sumitomo Electric Industries, LTD  |
| 18-Jan      | Jiang, Chendi            | Huawei Technologies Co., Ltd              | Huawei Technologies Co., Ltd       |
| 18-Jan      | Johnson, John            | Broadcom Corporation                      | Broadcom Corporation               |
| 18-Jan      | Kao, Chienping           | Intel                                     | Cornelis Networks                  |
| 18-Jan      | Kareti, Upen             | Cisco Systems, Inc.                       | Cisco Systems, Inc.                |
| 18-Jan      | Kikuchi, Nobuhiko        |   | Hitachi, Ltd.                      |
| 18-Jan      | Kim, Inho                | MaxLinear                                 | MaxLinear                          |
| 18-Jan      | Kim, Kihong/Joshua       | Hirose Electric (USA), Inc.               | Hirose Electric (USA), Inc.        |
| 18-Jan      | Kimber, Eric             | Semtech Ltd                               | Semtech Ltd                        |
| 18-Jan      | Klingensmith, William    | U.S. Federal Government                   | DoD                                |
| 18-Jan      | Koch, Lavi               |   | Lavi Koch Nvidia                   |
| 18-Jan      | Kochuparambil, Elizabeth | Cisco Systems, Inc.                       | Cisco Systems, Inc.                |
| 18-Jan      | Kocsis, Sam              | Amphenol Corporation                      | Amphenol Corporation               |
| 18-Jan      | Koehler, Daniel          | MorethanIP                                | Synopsys, Inc.                     |
| 18-Jan      | Kondo, Taiji             | MegaChips Corporation                     | Dexerials Corporation              |
| 18-Jan      | Krishnasamy, Kumaran     | Broadcom Corporation                      | Broadcom Corporation               |

| <b>Date</b> | <b>Name</b>        | <b>Employer</b>                      | <b>Affiliation</b>                                       |
|-------------|--------------------|--------------------------------------|--|
| 18-Jan      | Lambert, Angela    | Corning Incorporated                 | Corning Incorporated                                     |
| 18-Jan      | Lawson, Matthew    | Cisco Systems, Inc.                  | Cisco Systems, Inc.                                      |
| 18-Jan      | Le Cheminant, Greg | Keysight Technologies                | Keysight Technologies                                    |
| 18-Jan      | Lee, Sylvanus      | Leviton Manufacturing Co.            | Leviton Manufacturing Co.                                |
| 18-Jan      | Levin, Itamar      |                                      | Intel Corporation  |
| 18-Jan      | Li, Mike-Peng      | Intel                                | Intel  |
| 18-Jan      | Li, Pei-Rong       | MediaTek Inc.                        | MediaTek Inc.  |
| 18-Jan      | Lieder, Eyal       |                                      | Marvell Semiconductor, Inc.                              |
| 18-Jan      | Lim, Jane          | Cisco Systems, Inc.                  | Cisco Systems, Inc.                                      |
| 18-Jan      | Lin, Youxi         | Huawei Technologies Duesseldorf GmbH | Huawei Technologies Co., Ltd                             |
| 18-Jan      | Liu, Cathy         | Broadcom Corporation                 | Broadcom Corporation                                     |
| 18-Jan      | Liu, Hai-Feng      | HG Genuine                           | HG Genuine   |
| 18-Jan      | Liu, Karen         | Nubis Communications                 | Nubis Communications                                     |
| 18-Jan      | LIU, XIANG         | Huawei R&D USA                       | Huawei Technologies Co., Ltd                             |
| 18-Jan      | Lu, Yuchun         | Huawei Technologies Co., Ltd         | Huawei Technologies Co., Ltd                             |
| 18-Jan      | Luo, Yuanqiu       | Futurewei Technologies               | Futurewei Technologies                                   |
| 18-Jan      | Lusted, Kent       | Intel                                | Intel  |
| 18-Jan      | Maki, Jeffery      | Juniper Networks, Inc.               | Juniper Networks, Inc.                                   |
| 18-Jan      | Malicoat, David    | Malicoat Networking Solutions        | Malicoat Networking Solutions; SENKO Advanced Components |
| 18-Jan      | Maniloff, Eric     | Ciena Corporation                    | Ciena Corporation  |
| 18-Jan      | Marris, Arthur     | Cadence Design Systems, Inc.         | Cadence Design Systems, Inc.                             |
| 18-Jan      | Mellitz, Richard   | Samtec, Inc.                         | Samtec, Inc.   |
| 18-Jan      | mi, guangcan       | Huawei Technologies Co., Ltd         | Huawei Technologies Co., Ltd                             |
| 18-Jan      | Moorwood,          | Keysight Technologies                | Keysight Technologies                                    |

| <b>Date</b> | <b>Name</b>        | <b>Employer</b>                        | <b>Affiliation</b>                     |
|-------------|--------------------|--|--|
|             | Charles            |  |  |
| 18-Jan      | Mu, Jianwei        |  | Hisense                                |
| 18-Jan      | Muhigana, Ernest   |  | Lumentum                               |
| 18-Jan      | Muller, Shimon     | Enfabrica Corp.                        | Enfabrica                              |
| 18-Jan      | Naderi Shahi, Sina |  | Marvell                                |
| 18-Jan      | Nakamoto, Edward   | Spirent Communications                 | Spirent Communications                 |
| 18-Jan      | Nering, Raymond    | Cisco Systems, Inc.                    | Cisco Systems, Inc.                    |
| 18-Jan      | Nicholl, Gary      | Cisco Systems, Inc.                    | Cisco Systems, Inc.                    |
| 18-Jan      | Nicholl, Shawn     | Xilinx                                 | Advanced Micro Devices (AMD)           |
| 18-Jan      | Ninomiya, Takuya   |  | Senko Advanced Components              |
| 18-Jan      | Noujeim, Leesa     | Google                                 | Google                                 |
| 18-Jan      | Nowell, Mark       | Cisco Systems, Inc.                    | Cisco Systems, Inc.                    |
| 18-Jan      | Ofelt, David       | Juniper Networks, Inc.                 | Juniper Networks, Inc.                 |
| 18-Jan      | Omori, Kumi        | NEC Corporation                        | NEC Corporation                        |
| 18-Jan      | Opsasnick, Eugene  | Broadcom Inc.                          | Broadcom Inc.                          |
| 18-Jan      | Palkert, Thomas    | Macom,&nbsp;&nbsp;&nbsp;Samtec         | Samtec-Macom                           |
| 18-Jan      | Pandey, Sujan      | Huawei Technologies (Netherlands) B.V. | Huawei Technologies (Netherlands) B.V. |
| 18-Jan      | PARK, CHUL SOO     | Juniper Networks Inc.                  | Juniper Networks, Inc.                 |
| 18-Jan      | peng, semmy        |  | Huawei Technologies Co., Ltd           |
| 18-Jan      | Pepper, Gerald     | Keysight Technologies                  | Keysight Technologies                  |
| 18-Jan      | Piehler, David     | Dell Technologies                      | Dell                                   |
| 18-Jan      | Pimpinella, Rick   | Panduit Corp.                          | Panduit Corp.                          |



| <b>Date</b> | <b>Name</b>      | <b>Employer</b>              | <b>Affiliation</b>           |
|-------------|------------------|------------------------------|------------------------------|
| 18-Jan      | Quan, Yu         | Huawei Technologies Co., Ltd | Huawei Technologies Co., Ltd |
| 18-Jan      | Rabinovich, Rick | Keysight Technologies        | Keysight Technologies        |
| 18-Jan      | Rahn, Jeffrey    | Facebook                     | Facebook                     |
| 18-Jan      | Ramesh, Sridhar  | MaxLinear                    | MAXLINEAR INC                |
| 18-Jan      | Ran, Adee        | Cisco Systems, Inc.          | Cisco Systems, Inc.          |
| 18-Jan      | Rechtman, Zvi    | NVIDIA                       | NVIDIA                       |
| 18-Jan      | Ren, Hao         | Huawei Technologies Co., Ltd | Huawei Technologies Co., Ltd |
| 18-Jan      | Rodes, Roberto   | II-VI                        | II-VI                        |
| 18-Jan      | Rush, Joshua     |                              | UNH-IOL                      |
| 18-Jan      | Sakai, Toshiaki  | Socionext Inc.               | socionext                    |
| 18-Jan      | Sambasivan, Sam  | AT&T                         | AT&T                         |
| 18-Jan      | Savi, Olindo     | Hubbell Incorporated         | Hubbell Incorporated         |
| 18-Jan      | Sekel, Steve     |                              | Wilder Technologies          |
| 18-Jan      | Shanbhag, Megha  | Tyco                         | TE Connectivity              |
| 18-Jan      | Shoval, Ayal     | Synopsys, Inc.               | Synopsys, Inc.               |
| 18-Jan      | Shukla, Priyank  | Synopsys, Inc.               | Synopsys, Inc.               |
| 18-Jan      | Sikkink, Mark    | Hewlett Packard Enterprise   | Hewlett Packard Enterprise   |
| 18-Jan      | Simms, William   | NVIDIA Corporation           | NVIDIA Corporation           |
| 18-Jan      | Sinn, Peter      |                              | Alphawave IP                 |
| 18-Jan      | Sluyski, Mike    |                              | Cisco Systems, Inc.          |
| 18-Jan      | Sommers, Scott   | Molex LLC                    | Molex Incorporated           |
| 18-Jan      | Son, Yung Sung   | Optomind Inc                 | Optomind Inc                 |
| 18-Jan      | Sorbara, Massimo | GLOBALFOUNDRIES              | GLOBALFOUNDRIES              |
| 18-Jan      | Sprague, Edward  | Infinera Corporation         | Infinera Corporation         |

| <b>Date</b> | <b>Name</b>           | <b>Employer</b>                                | <b>Affiliation</b>                             |
|-------------|-----------------------|--|--|
| 18-Jan      | Stassar, Peter        | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                   |
| 18-Jan      | SU,<br>CHANGZHENG     |  | Huawei Technologies Co., Ltd                   |
| 18-Jan      | Sun, Wensheng         | Marvell Semiconductor, Inc.                    | Marvell Semiconductor, Inc.                    |
| 18-Jan      | Sun, Yi               |  | OFS  |
| 18-Jan      | TAKAHARA,<br>TOMOO    | FUJITSU LABORATORIES LIMITED                   | FUJITSU LIMITED                                |
| 18-Jan      | Terada, Masaru        | FURUKAWA ELECTRIC                              | FURUKAWA ELECTRIC                              |
| 18-Jan      | Theodoras,<br>James   | HG Genuine                                     | HG Genuine                                     |
| 18-Jan      | Toyserkani,<br>Pirooz | Cisco Systems, Inc.                            | Cisco Systems, Inc.                            |
| 18-Jan      | Tracy, Nathan         | TE Connectivity                                | TE Connectivity                                |
| 18-Jan      | Tran, Viet            | Keysight Technologies                          | Keysight Technologies                          |
| 18-Jan      | Ulrichs, Ed           | Intel  | Intel  |
| 18-Jan      | Vitali, Marco         | Sicoya   | Sicoya   |
| 18-Jan      | Wang, Haojie          | China Mobile Communications Corporation (CMCC) | China Mobile Communications Corporation (CMCC) |
| 18-Jan      | Wang, Ruoxu           | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                   |
| 18-Jan      | Wang, Xinyuan         | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                   |
| 18-Jan      | Weaver, James         | Arista Networks                                | Arista Networks                                |
| 18-Jan      | Welch, Brian          | Cisco Systems, Inc.                            | Luxtera  |
| 18-Jan      | Wey, Jun Shan         | Verizon Communications                         | Verizon Communications                         |
| 18-Jan      | Wingrove,<br>Michael  | Ciena Corporation                              | Ciena Corporation                              |
| 18-Jan      | Wong, Henry           |  | Alphawave Semi                                 |
| 18-Jan      | Wu, Mau-Lin           | MediaTek Inc.                                  | MediaTek Inc.                                  |
| 18-Jan      | Wu, Peter             | Marvell Semiconductor, Inc.                    | Marvell Semiconductor, Inc.                    |

| Date   | Name          | Employer                     | Affiliation                  |
|--------|---------------|------------------------------|------------------------------|
| 18-Jan | Xu, Yu        | Huawei Technologies Co., Ltd | Huawei Technologies Co., Ltd |
| 18-Jan | yan, zengchao | Huawei Technologies Co., Ltd | Huawei Technologies Co., Ltd |
| 18-Jan | Yin, Shuang   |                              | Google                       |

### 30 January through 8 February 2023

| Name               | Employer                             | Affiliation                             | 30<br>-J<br>a<br>n | 31<br>-J<br>a<br>n | 1-<br>F<br>e<br>b | 6-<br>F<br>e<br>b | 7-<br>F<br>e<br>b | 8-<br>F<br>e<br>b |
|--------------------|--------------------------------------|---|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|
| Akbaba, Enis       | Analog Devices Inc.                  | Self Employed                           |                    |                    | X                 |                   |                   |                   |
| Ben-Artzi,<br>Liav | Marvell Semiconductor, Inc.          | Marvell Semiconductor, Inc.             | X                  | X                  |                   | X                 |                   |                   |
| Bernier, Eric      | Huawei Technologies Canada Co., Ltd. | Huawei Technologies Canada Co., Ltd.    | X                  | X                  | X                 | X                 | X                 | X                 |
| Bliss, William     | Broadcom Corporation                 | Broadcom Corporation                    |                    |                    |                   | X                 | X                 | X                 |
| Bois, Karl         | NVIDIA Corporation                   | NVIDIA Corporation                      | X                  |                    | X                 |                   |                   |                   |
| Brown,<br>Matthew  | Huawei Technologies Canada           | Huawei Technologies Canada              |                    | X                  | X                 | X                 | X                 | X                 |
| Bruckman,<br>Leon  | Huawei Technologies Co., Ltd         | Huawei Technologies Co., Ltd            | X                  | X                  | X                 | X                 | X                 | X                 |
| Calvin, John       | Keysight Technologies                | Keysight Technologies                   | X                  | X                  | X                 | X                 | X                 | X                 |
| Casher,<br>Patrick |                                      | Foxconn Interconnect Technologies (FIT) | X                  |                    |                   |                   |                   |                   |
| Cassan, Dave       | Alphawave                            | Alphawave                               | X                  | X                  | X                 | X                 | X                 | X                 |
| Castro, Jose       | Panduit                              | Panduit Corp.                           | X                  | X                  | X                 |                   |                   | X                 |
| Chang,<br>Yongmao  | Inphi Corporation                    | Source Photonics                        | X                  | X                  |                   | X                 | X                 | X                 |
| Chen, Chan         | Self Employed                        | Applied Optoelectronics, Inc.           | X                  | X                  |                   |                   | X                 | X                 |
| cheng,<br>weiqiang | China Mobile Limited                 | China Mobile Limited                    | X                  | X                  | X                 | X                 | X                 | X                 |
| Choudhury,         | OFS                                  | OFS                                     |                    | X                  | X                 | X                 | X                 | X                 |

| Name                   | Employer   | Affiliation  | 30<br>-J<br>a<br>n | 31<br>-J<br>a<br>n | 1-<br>F<br>e<br>b | 6-<br>F<br>e<br>b | 7-<br>F<br>e<br>b | 8-<br>F<br>e<br>b |
|------------------------|--|--|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|
| Golam                  |  |  |                    |                    |                   |                   |                   |                   |
| Cole,<br>Christopher R | Finisar Corporation                                  | Finisar Corporation                                  |                    |                    |                   |                   | X                 | X                 |
| D'Ambrosia,<br>John    | Futurewei Technologies, U.S.<br>Subsidiary of Huawei | Futurewei Technologies, U.S.<br>Subsidiary of Huawei | X                  |                    |                   | X                 | X                 | X                 |
| Dawe, Piers J<br>G     | NVIDIA   | Nvidia   | X                  | X                  | X                 | X                 | X                 | X                 |
| de Koos,<br>Andras     | Microchip Technology Inc                             | Microchip Technology, Inc.                           | X                  | X                  | X                 | X                 | X                 | X                 |
| Didde,<br>Stephen      | Keysight Technologies                                | Keysight Technologies                                | X                  | X                  |                   | X                 |                   |                   |
| Dudek,<br>Michael      | Marvell  | Marvell  | X                  | X                  | X                 | X                 | X                 | X                 |
| Dumais,<br>Patrick     |  | Huawei Technologies Co., Ltd                         | X                  | X                  |                   | X                 | X                 | X                 |
| Estes, David           | Spirent Communications                               | Spirent Communications                               |                    |                    |                   |                   |                   | X                 |
| Ewen, John             | Marvell  | Marvell  | X                  | X                  | X                 | X                 | X                 | X                 |
| Farhoodfar,<br>Arash   | Inphi Corporation                                    | Inphi Corporation                                    |                    |                    |                   | X                 | X                 | X                 |
| Ferretti,<br>Vincent   | Corning Incorporated                                 | Corning Incorporated                                 |                    |                    | X                 | X                 | X                 | X                 |
| FILIPPOU,<br>DIMITRIS  |  | Dimitris Filippou; I2QS                              |                    | X                  |                   |                   | X                 | X                 |
| Gao,<br>Xiangrong      | Huawei Technologies Co., Ltd                         | Huawei Technologies Co., Ltd                         |                    |                    |                   |                   | X                 | X                 |
| Geng, Limin            | Huawei Technologies Co., Ltd                         | Huawei Technologies Co., Ltd                         | X                  | X                  | X                 | X                 | X                 | X                 |
| Ghiasi, Ali            | Ghiasi Quantum LLC                                   | Ghiasi Quantum LLC; Marvell<br>Semiconductor, Inc.   | X                  | X                  | X                 | X                 | X                 | X                 |
| Gorshe,                | Microchip Technology, Inc.                           | Microchip Technology, Inc.                           | X                  |                    | X                 |                   |                   |                   |

| Name             | Employer                                       | Affiliation                                    | 30<br>-J<br>a<br>n | 31<br>-J<br>a<br>n | 1-<br>F<br>e<br>b | 6-<br>F<br>e<br>b | 7-<br>F<br>e<br>b | 8-<br>F<br>e<br>b |
|------------------|--|--|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|
| Steven Scott     |  |  |                    |                    |                   |                   |                   |                   |
| Gu, Tao          |  | Centec   |                    |                    |                   | X                 | X                 | X                 |
| Gustlin, Mark    | Cisco Systems, Inc.                            | Cisco Systems, Inc.                            | X                  | X                  | X                 | X                 | X                 | X                 |
| Han, Ruibo       | China Mobile Communications Corporation (CMCC) | China Mobile Communications Corporation (CMCC) |                    |                    |                   | X                 |                   |                   |
| Harstead, Ed     | Nokia  | Nokia  |                    |                    |                   |                   |                   | X                 |
| He, Xiang        | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                   | X                  | X                  | X                 | X                 | X                 | X                 |
| Healey, Adam     | Broadcom Inc.                                  | Broadcom Inc.                                  | X                  | X                  | X                 | X                 | X                 | X                 |
| Heck, Howard     | Intel  | Intel  | X                  | X                  | X                 | X                 | X                 | X                 |
| Hidaka, Yasuo    | Credo Semiconductor                            | Credo Semiconductor                            | X                  | X                  | X                 | X                 | X                 | X                 |
| Hoyer, Claus     |  | Xena Networks                                  | X                  |                    |                   |                   | X                 | X                 |
| Huang, Kechao    | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                   | X                  | X                  | X                 | X                 | X                 | X                 |
| HUANG, QINHUI    | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                   | X                  | X                  | X                 | X                 | X                 | X                 |
| Huber, Thomas    | Nokia  | Nokia  | X                  | X                  | X                 | X                 | X                 | X                 |
| Hutchins, Jeff   | Ranovus  | Ranovus  | X                  |                    |                   | X                 | X                 | X                 |
| Isono, Hideki    | Fujitsu Optical Components Limited             | Fujitsu Optical Components Limited             |                    | X                  | X                 | X                 | X                 | X                 |
| Issenhuth, Tom   | Issenhuth Consulting, LLC                      | Huawei Technologies Co., Ltd                   | X                  | X                  | X                 | X                 | X                 | X                 |
| Jackson, Kenneth | Sumitomo Electric Device Innovations, USA      | Sumitomo Electric Industries, LTD              | X                  |                    | X                 | X                 | X                 | X                 |
| Jiang, Chendi    | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                   | X                  | X                  |                   | X                 | X                 | X                 |
| Johnson, John    | Broadcom Corporation                           | Broadcom Corporation                           | X                  | X                  | X                 | X                 | X                 | X                 |
| Kabra, Lokesh    | Synopsys, Inc.                                 | Synopsys, Inc.                                 |                    | X                  |                   | X                 | X                 | X                 |

| Name                  | Employer                             | Affiliation                          | 30<br>-J<br>a<br>n | 31<br>-J<br>a<br>n | 1-<br>F<br>e<br>b | 6-<br>F<br>e<br>b | 7-<br>F<br>e<br>b | 8-<br>F<br>e<br>b |
|-----------------------|--------------------------------------|--------------------------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|
| Kao, Chienping        | Intel                                | Cornelis Networks                    |                    | X                  | X                 | X                 | X                 | X                 |
| Kareti, Upen          | Cisco Systems, Inc.                  | Cisco Systems, Inc.                  | X                  | X                  | X                 | X                 | X                 | X                 |
| Kikuchi, Nobuhiko     |                                      | Hitachi, Ltd.                        |                    |                    |                   | X                 | X                 | X                 |
| Kim, Inho             | MaxLinear                            | MaxLinear                            | X                  | X                  |                   | X                 | X                 | X                 |
| Kim, Kihong/Joshua    | Hirose Electric (USA), Inc.          | Hirose Electric (USA), Inc.          | X                  | X                  | X                 | X                 | X                 | X                 |
| Klempa, Michael       | Amphenol Corporation                 | Alphawave IP                         | X                  | X                  |                   | X                 |                   | X                 |
| Klingensmith, William | U.S. Federal Government              | DoD                                  | X                  | X                  | X                 | X                 | X                 | X                 |
| Koch, Lavi            |                                      | Lavi Koch Nvidia                     | X                  | X                  | X                 | X                 | X                 | X                 |
| Kocsis, Sam           | Amphenol Corporation                 | Amphenol Corporation                 |                    |                    |                   |                   | X                 | X                 |
| Koehler, Daniel       | MorethanIP                           | Synopsys, Inc.                       |                    |                    |                   | X                 |                   | X                 |
| Kondo, Taiji          | MegaChips Corporation                | Dexerials Corporation                | X                  |                    |                   |                   |                   |                   |
| Kuschnerov, Maxim     | Huawei Technologies Duesseldorf GmbH | Huawei Technologies Duesseldorf GmbH |                    |                    |                   | X                 | X                 | X                 |
| Lambert, Angela       | Corning Incorporated                 | Corning Incorporated                 | X                  | X                  | X                 | X                 | X                 | X                 |
| Law, David            | Hewlett Packard Enterprise           | Hewlett Packard Enterprise           |                    | X                  |                   | X                 | X                 | X                 |
| Lawson, Matthew       | Cisco Systems, Inc.                  | Cisco Systems, Inc.                  | X                  | X                  |                   | X                 | X                 | X                 |
| Le Cheminant, Greg    | Keysight Technologies                | Keysight Technologies                | X                  | X                  |                   | X                 | X                 | X                 |
| Levin, Itamar         |                                      | Intel Corporation                    |                    |                    |                   |                   |                   | X                 |

| Name              | Employer                             | Affiliation   | 30<br>-J<br>a<br>n | 31<br>-J<br>a<br>n | 1-<br>F<br>e<br>b | 6-<br>F<br>e<br>b | 7-<br>F<br>e<br>b | 8-<br>F<br>e<br>b |
|-------------------|--------------------------------------|---|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|
| Li, Mike-Peng     | Intel                                | Intel   | X                  | X                  | X                 | X                 | X                 | X                 |
| Li, Pei-Rong      | MediaTek Inc.                        | MediaTek Inc.   | X                  | X                  | X                 | X                 | X                 | X                 |
| Lieder, Eyal      |                                      | Marvell Semiconductor, Inc.                                 | X                  | X                  | X                 | X                 | X                 | X                 |
| Lim, Jane         | Cisco Systems, Inc.                  | Cisco Systems, Inc.   | X                  | X                  |                   |                   | X                 | X                 |
| Lin, Youxi        | Huawei Technologies Duesseldorf GmbH | Huawei Technologies Co., Ltd                                |                    |                    | X                 | X                 | X                 | X                 |
| Liu, Cathy        | Broadcom Corporation                 | Broadcom Corporation  | X                  | X                  | X                 | X                 | X                 | X                 |
| Liu, Hai-Feng     | HG Genuine                           | HG Genuine  |                    |                    |                   |                   | X                 | X                 |
| LIU, XIANG        | Huawei R&D USA                       | Huawei Technologies Co., Ltd                                | X                  | X                  | X                 | X                 | X                 | X                 |
| Lu, Yuchun        | Huawei Technologies Co., Ltd         | Huawei Technologies Co., Ltd                                | X                  | X                  | X                 | X                 | X                 | X                 |
| Lusted, Kent      | Intel                                | Intel   | X                  | X                  | X                 | X                 | X                 | X                 |
| Maki, Jeffery     | Juniper Networks, Inc.               | Juniper Networks, Inc.                                      | X                  | X                  | X                 | X                 | X                 | X                 |
| Malicoat, David   | Malicoat Networking Solutions        | Malicoat Networking Solutions;<br>SENKO Advanced Components | X                  | X                  | X                 | X                 | X                 | X                 |
| Maniloff, Eric    | Ciena Corporation                    | Ciena Corporation   | X                  | X                  | X                 | X                 | X                 | X                 |
| Marris, Arthur    | Cadence Design Systems, Inc.         | Cadence Design Systems, Inc.                                | X                  | X                  | X                 |                   |                   |                   |
| Mcclellan, Brett  | Marvell Semiconductor, Inc.          | Marvell Semiconductor, Inc.                                 |                    |                    |                   |                   | X                 | X                 |
| Mellitz, Richard  | Samtec, Inc.                         | Samtec, Inc.  | X                  | X                  |                   | X                 | X                 | X                 |
| mi, guangcan      | Huawei Technologies Co., Ltd         | Huawei Technologies Co., Ltd                                | X                  | X                  |                   | X                 | X                 |                   |
| Moorwood, Charles | Keysight Technologies                | Keysight Technologies                                       | X                  | X                  | X                 | X                 | X                 | X                 |
| Mu, Jianwei       |                                      | Hisense   | X                  | X                  |                   |                   | X                 | X                 |
| Muller, Shimon    | Enfabrica Corp.                      | Enfabrica   | X                  | X                  | X                 | X                 | X                 | X                 |

| Name                 | Employer                    | Affiliation                  | 30<br>-J<br>a<br>n | 31<br>-J<br>a<br>n | 1-<br>F<br>e<br>b | 6-<br>F<br>e<br>b | 7-<br>F<br>e<br>b | 8-<br>F<br>e<br>b |
|----------------------|-----------------------------|------------------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|
| Muth, Karlheinz      | Broadcom Corporation        | Broadcom Corporation         |                    |                    |                   |                   | X                 |                   |
| Nakamoto, Edward     | Spirent Communications      | Spirent Communications       |                    |                    |                   | X                 |                   |                   |
| Nering, Raymond      | Cisco Systems, Inc.         | Cisco Systems, Inc.          | X                  | X                  | X                 | X                 | X                 | X                 |
| Nicholl, Gary        | Cisco Systems, Inc.         | Cisco Systems, Inc.          |                    | X                  |                   |                   | X                 |                   |
| Nicholl, Shawn       | Xilinx                      | Advanced Micro Devices (AMD) | X                  | X                  | X                 | X                 | X                 | X                 |
| Ninomiya, Takuya     |                             | Senko Advanced Components    | X                  | X                  | X                 | X                 | X                 | X                 |
| Noujeim, Leesa       | Google                      | Google                       |                    |                    |                   | X                 |                   |                   |
| Nowell, Mark         | Cisco Systems, Inc.         | Cisco Systems, Inc.          | X                  | X                  | X                 | X                 | X                 |                   |
| Ofelt, David         | Juniper Networks, Inc.      | Juniper Networks, Inc.       | X                  | X                  | X                 | X                 | X                 | X                 |
| Omori, Kumi          | NEC Corporation             | NEC Corporation              | X                  | X                  |                   | X                 | X                 | X                 |
| Opsasnick, Eugene    | Broadcom Inc.               | Broadcom Inc.                | X                  | X                  | X                 |                   | X                 | X                 |
| Palkert, Thomas      | Macom,&nbsp;Samtec          | Samtec-Macom                 | X                  | X                  | X                 |                   |                   | X                 |
| PARK, CHUL SOO       | Juniper Networks Inc.       | Juniper Networks, Inc.       | X                  | X                  | X                 | X                 | X                 | X                 |
| Parsons, Earl        | CommScope, Inc.             | CommScope, Inc.              | X                  | X                  | X                 |                   | X                 | X                 |
| Parthasarathy , Vasu | Broadcom Corporation        | Broadcom Corporation         |                    |                    |                   | X                 | X                 | X                 |
| Patra, lenin         | Marvell Semiconductor, Inc. | Marvell Semiconductor, Inc.  |                    |                    |                   | X                 | X                 | X                 |
| peng, semmy          |                             | Huawei Technologies Co., Ltd |                    |                    | X                 | X                 | X                 | X                 |
| Pepper,              | Keysight Technologies       | Keysight Technologies        | X                  |                    |                   | X                 | X                 | X                 |



| Name                    | Employer  | Affiliation                  | 30<br>-J<br>a<br>n | 31<br>-J<br>a<br>n | 1-<br>F<br>e<br>b | 6-<br>F<br>e<br>b | 7-<br>F<br>e<br>b | 8-<br>F<br>e<br>b |
|-------------------------|---|------------------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|
| Gerald                  |   |                              |                    |                    |                   |                   |                   |                   |
| Piehler, David          | Dell Technologies   | Dell                         |                    |                    |                   | X                 | X                 | X                 |
| Pimpinella, Rick        | Panduit Corp.   | Panduit Corp.                | X                  |                    | X                 | X                 | X                 | X                 |
| Quan, Yu                | Huawei Technologies Co., Ltd  | Huawei Technologies Co., Ltd | X                  |                    | X                 | X                 | X                 | X                 |
| Rabinovich, Rick        | Keysight Technologies   | Keysight Technologies        |                    |                    |                   | X                 | X                 | X                 |
| Radhamohan, Rajeshmohan | Cisco Systems, Inc.   | Cisco Systems, Inc.          | X                  |                    |                   | X                 | X                 | X                 |
| Rahn, Jeffrey           | Meta Platforms Inc.   | Facebook                     |                    | X                  |                   | X                 | X                 | X                 |
| Ramesh, Sridhar         | MaxLinear   | MAXLINEAR INC                |                    |                    |                   | X                 |                   | X                 |
| Ran, Adee               | Cisco Systems, Inc.   | Cisco Systems, Inc.          | X                  | X                  | X                 | X                 | X                 | X                 |
| Rechtman, Zvi           | NVIDIA  | NVIDIA                       | X                  | X                  | X                 | X                 | X                 | X                 |
| Ren, Hao                | Huawei Technologies Co., Ltd  | Huawei Technologies Co., Ltd | X                  | X                  | X                 | X                 | X                 | X                 |
| Rodes, Roberto          | II-VI   | II-VI                        | X                  | X                  | X                 | X                 | X                 | X                 |
| Sakai, Toshiaki         | Socionext Inc.  | socionext                    | X                  | X                  | X                 | X                 | X                 | X                 |
| Sambasivan, Sam         | AT&T  | AT&T                         | X                  |                    |                   |                   |                   |                   |
| sanyal, madhumita       |   | Synopsys, Inc.               |                    |                    |                   | X                 |                   | X                 |
| Savi, Olindo            | Hubbell Incorporated  | Hubbell Incorporated         |                    |                    | X                 | X                 |                   | X                 |
| SAWANO, Hiroshi         | OITDA (Optoelectronics Industry and Technology Development Association) | OITDA                        |                    |                    |                   |                   |                   | X                 |
| Shanbhag, Megha         | Tyco  | TE Connectivity              | X                  |                    |                   | X                 |                   |                   |

| Name              | Employer                     | Affiliation                  | 30<br>-J<br>a<br>n | 31<br>-J<br>a<br>n | 1-<br>F<br>e<br>b | 6-<br>F<br>e<br>b | 7-<br>F<br>e<br>b | 8-<br>F<br>e<br>b |
|-------------------|------------------------------|------------------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|
| Shoval, Ayal      | Synopsys, Inc.               | Synopsys, Inc.               | X                  | X                  | X                 | X                 | X                 |                   |
| Shrikhande, Kapil | Marvell Semiconductor, Inc.  | Marvell Semiconductor, Inc.  | X                  | X                  | X                 | X                 |                   | X                 |
| Shukla, Priyank   | Synopsys, Inc.               | Synopsys, Inc.               | X                  | X                  |                   | X                 | X                 | X                 |
| Sikkink, Mark     | Hewlett Packard Enterprise   | Hewlett Packard Enterprise   |                    | X                  |                   | X                 | X                 | X                 |
| Simms, William    | NVIDIA Corporation           | NVIDIA Corporation           | X                  | X                  |                   | X                 | X                 | X                 |
| Sinn, Peter       |                              | Alphawave IP                 | X                  | X                  | X                 | X                 | X                 | X                 |
| Slavick, Jeff     | Broadcom Inc                 | Broadcom Inc                 |                    |                    | X                 | X                 | X                 | X                 |
| Sluyski, MIke     |                              | Cisco Systems, Inc.          | X                  | X                  | X                 | X                 | X                 | X                 |
| Sommers, Scott    | Molex LLC                    | Molex Incorporated           | X                  | X                  | X                 | X                 | X                 | X                 |
| Son, Yung Sung    | Optomind Inc                 | Optomind Inc                 | X                  | X                  | X                 | X                 |                   | X                 |
| Sorbara, Massimo  | GLOBALFOUNDRIES              | GLOBALFOUNDRIES              | X                  | X                  | X                 | X                 | X                 | X                 |
| Sprague, Edward   | Infinera Corporation         | Infinera Corporation         | X                  | X                  | X                 | X                 | X                 | X                 |
| Stassar, Peter    | Huawei Technologies Co., Ltd | Huawei Technologies Co., Ltd | X                  | X                  | X                 | X                 | X                 | X                 |
| Sun, Junqing      | Credo Semiconductor          | Credo Semiconductor          |                    |                    |                   |                   | X                 |                   |
| Sun, Wensheng     | Marvell Semiconductor, Inc.  | Marvell Semiconductor, Inc.  |                    |                    |                   |                   | X                 |                   |
| Sun, Yi           |                              | OFS                          | X                  | X                  | X                 |                   |                   |                   |
| TAKAHARA, TOMOO   | FUJITSU LABORATORIES LIMITED | FUJITSU LIMITED              | X                  | X                  | X                 | X                 |                   |                   |
| Terada, Masaru    | FURUKAWA ELECTRIC            | FURUKAWA ELECTRIC            | X                  |                    |                   | X                 | X                 | X                 |

| Name                  | Employer                                       | Affiliation                                    | 30<br>-J<br>a<br>n | 31<br>-J<br>a<br>n | 1-<br>F<br>e<br>b | 6-<br>F<br>e<br>b | 7-<br>F<br>e<br>b | 8-<br>F<br>e<br>b |
|-----------------------|--|--|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|
| tomofuji,<br>hiroaki  |  | FUJITSU  |                    |                    |                   |                   | X                 | X                 |
| Toyserkani,<br>Pirooz | Cisco Systems, Inc.                            | Cisco Systems, Inc.                            | X                  | X                  | X                 | X                 | X                 | X                 |
| Tracy, Nathan         | TE Connectivity                                | TE Connectivity                                | X                  | X                  | X                 |                   | X                 | X                 |
| Tran, Viet            | Keysight Technologies                          | Keysight Technologies                          | X                  | X                  | X                 | X                 | X                 | X                 |
| Ulrichs, Ed           | Intel  | Intel  | X                  | X                  |                   | X                 | X                 | X                 |
| Wang, Haojie          | China Mobile Communications Corporation (CMCC) | China Mobile Communications Corporation (CMCC) | X                  | X                  | X                 | X                 | X                 | X                 |
| Wang, Ruoxu           | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                   | X                  | X                  | X                 | X                 | X                 | X                 |
| Wang,<br>Xinyuan      | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                   |                    |                    |                   |                   | X                 | X                 |
| Welch, Brian          | Cisco Systems, Inc.                            | Luxtera  | X                  | X                  | X                 | X                 | X                 | X                 |
| Wey, Jun<br>Shan      | Verizon Communications                         | Verizon Communications                         | X                  |                    |                   |                   |                   |                   |
| Williams, Tom         | Cisco Systems, Inc.                            | Cisco Systems, Inc.                            | X                  | X                  |                   | X                 | X                 | X                 |
| Wong, Henry           |  | Alphawave Semi                                 | X                  | X                  | X                 | X                 | X                 | X                 |
| Wu, Mau-Lin           | MediaTek Inc.                                  | MediaTek Inc.                                  | X                  | X                  | X                 | X                 | X                 | X                 |
| Wu, Peter             | Marvell Semiconductor, Inc.                    | Marvell Semiconductor, Inc.                    |                    |                    |                   |                   | X                 | X                 |
| Xu, Yu                | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                   | X                  | X                  |                   | X                 | X                 | X                 |
| yan,<br>zengchao      | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                   | X                  | X                  |                   | X                 | X                 | X                 |
| Yin, Shuang           |  | Google   | X                  | X                  |                   | X                 | X                 | X                 |
| Zhang, Bo             | Marvell Technology, Inc                        | Marvell Technology, Inc                        |                    |                    |                   |                   | X                 | X                 |
| Zhiwei, Yang          | ZTE Corporation                                | ZTE Corporation                                |                    |                    |                   |                   | X                 |                   |
| Zhong, Qiwen          | Huawei Technologies Co., Ltd                   | Huawei Technologies Co., Ltd                   |                    |                    |                   | X                 |                   | X                 |

| Name        | Employer                     | Affiliation                  | 30<br>-J<br>a<br>n | 31<br>-J<br>a<br>n | 1-<br>F<br>e<br>b | 6-<br>F<br>e<br>b | 7-<br>F<br>e<br>b | 8-<br>F<br>e<br>b |
|-------------|------------------------------|------------------------------|--------------------|--------------------|-------------------|-------------------|-------------------|-------------------|
| Zhou, Xiang |                              | Google                       |                    |                    |                   |                   | X                 | X                 |
| Zhuang, Yan | Huawei Technologies Co., Ltd | Huawei Technologies Co., Ltd | X                  | X                  |                   | X                 | X                 | X                 |