

7 December 2023 Ad hoc Electronic Teleconference Meeting

Approved Meeting Minutes, Prepared by Kent Lusted

Meeting called to order at ~6:30 am (all times Pacific) by Kent Lusted, who was chairing the meeting.

Chair noted that individuals should fill out IMAT information for attendance.

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

Presentation #1	Agenda
Presenter	Kent Lusted
URL	https://www.ieee802.org/3/dj/public/adhoc/electrical/23_1207/agenda_3dj_01_adhoc_231207.pdf

Questions were asked and answered.

The chair asked if there were any modifications for the agenda (See slide #2) – there were none. There were no objections to the approval of the agenda, and it was considered approved by unanimous consent.

The chair noted an email had been sent out to the reflector reminding individuals to review the following IEEE SA policies-

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

Chair asked if anyone needed any of these policies reviewed in-depth. There were no requests.

Chair presented the third slide (See Slide #25) 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 #30) 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 #34) 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 reminded participants of the IEEE Code of Ethics and Code of Conduct. (see slide #33)

The chair reviewed meeting decorum. See Slide #4.

The chair reviewed voting. See Slide #8.

Chair reminded participants to sign into the IEEE Meeting and Attendance Tool. Kent Lusted noted that neither he nor the WG Recording Secretary Jon Lewis would update attendance records after the meeting ends for the day.

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

Presentation #2	212Gb/s Per Lane PAM4 CR Channels with Flexible Host Architectures and Longer Reach Cables - Switch Perspective
Presenter	Jim Weaver
URL	https://www.ieee802.org/3/dj/public/23_11/weaver_3dj_01_2311.pdf

The channel zip file contribution was posted to the Tools and Channel page (see: <https://www.ieee802.org/3/df/public/tools/index.html>)

Questions were asked and answered.

Kent Lusted passed the meeting chair responsibilities to John D'Ambrosia at 7:11 a.m.

Presentation #3	Priority of Next Steps for IEEE P802.3dj Electrical Track - 7 December Update
Presenter	Kent Lusted
URL	https://www.ieee802.org/3/dj/public/adhoc/electrical/23_1207/lusted_3dj_elec_01_231207.pdf

Questions were asked and answered.

Kent Lusted resumed the meeting chair responsibilities from John D'Ambrosia at 7:40 a.m.

Chair reminded participants to sign into the IEEE Meeting and Attendance Tool.

Prior to the start of presentation #4, the author noted that he had an updated version '01a' with editorial changes.

Presentation #4	Baseline proposals for electrical interfaces at 200 Gb/s per lane
Presenter	Adee Ran
URL	https://www.ieee802.org/3/dj/public/adhoc/electrical/23_1207/ran_3dj_elec_01a_231207.pdf

Author found an error on slide 14 related to a bullet from the list. He would provide the correction in version '01a'. Questions were asked and answered.

John D'Ambrosia, 3dj Task Force Chair, noted that presentation requests for the January 2024 interim meeting are due 11 January 2024. He reminded participants that contributions were due 15 January 2024. Registration and a meeting fee is required to attend the meeting.

Chair reminded participants to sign into the IEEE Meeting and Attendance Tool. Kent Lusted noted that neither he nor the WG Recording Secretary Jon Lewis would update attendance records after the meeting ends for the day.

Presentation #5	Skew ... The Rest of the Story. SCMR (signal to common mode ratio) for Channel
Presenter	Rich Mellitz
URL	https://www.ieee802.org/3/dj/public/adhoc/electrical/23_1207/mellitz_3dj_elec_01_231207.pdf

Questions were asked and answered. During Q&A, the Chair noted that the meeting duration would not be extended and that people at the end of the queue may need to follow up with the author offline.

Chair reminded participants to sign into the IEEE Meeting and Attendance Tool.

Kent Lusted reminded participants of the upcoming joint 3df/3dj logic/optical ad hoc on 14 December.

Meeting adjourned at ~9:31 a.m. Pacific.

Attendees (per IMAT)

Name	Affiliation	Employer
Akinwale, Oluwafemi	Intel Corporation	
BakroNagy, Istvan	Cisco Systems, Inc.	Cisco Systems, Inc.
Bernier, Eric	Huawei Technologies Canada Co., Ltd.	Huawei Technologies Canada Co., Ltd.
Brown, Matthew	Alphawave	Alphawave
Bruckman, Leon	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Calvin, John	Keysight Technologies	Keysight Technologies
Cassan, Dave	Alphawave	Alphawave
Chappell, Neveia	Keysight Technologies	Keysight Technologies
Choe, Denz	BeCe Pte Ltd	
Cox, Ian	Broadcom Corporation	
D'Ambrosia, John	Futurewei Technologies, U.S. Subsidiary of Huawei	Futurewei Technologies, U.S. Subsidiary of Huawei
Dawe, Piers J G	Nvidia	NVIDIA
Del Vecchio, Peter	Broadcom Corporation	
Diminico, Christopher	Panduit Corp.	M C Communications, LLC
Dudek, Michael	Marvell	Marvell
Erven, Chad	Semtech Ltd	Semtech Ltd
Ghiasi, Ali	Ghiasi Quantum LLC; Marvell Semiconductor, Inc.	Ghiasi Quantum LLC
Gore, Brandon	Samtec, Inc.	Samtec, Inc.
He, Xiang	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Healey, Adam	Broadcom Inc.	Broadcom Inc.
Heck, Howard	Intel	Intel

Name	Affiliation	Employer
Hidaka, Yasuo	Credo Semiconductor	Credo Semiconductor
Hutchins, Jeff	Ranovus	Ranovus
Jackson, Kenneth	Sumitomo Electric Industries, LTD	Sumitomo Electric Industries, LTD
Jiang, Chenhui	Sicoya	Sicoya
Johnston, Margaret	Cadence Design Systems, Inc.	Cadence Design Systems, Inc.
Kareti, Upen	Cisco Systems, Inc.	Cisco Systems, Inc.
Kim, Kihong/Joshua	Hirose Electric (USA), Inc.	Hirose Electric (USA), Inc.
Kimber, Eric	Semtech Ltd	Semtech Ltd
Klempa, Michael	Alphawave Semi	Alphawave Semi
Kocsis, Sam	Amphenol Corporation	Amphenol Corporation
Kugel, Valery	Juniper Networks, Inc.	
Li, Pei-Rong	MediaTek Inc.	MediaTek Inc.
Little, Terrance	Foxconn Electronics Inc.	Foxconn Electronics Inc.
Liu, Cathy	Broadcom Corporation	Broadcom Corporation
Liu, Karen	Nubis Communications	Nubis Communications
Lusted, Kent	Intel	Intel
Maki, Jeffery	Juniper Networks, Inc.	Juniper Networks, Inc.
Malicoat, David	Malicoat Networking Solutions; SENKO Advanced Components	Malicoat Networking Solutions
Mellitz, Richard	Samtec, Inc.	Samtec, Inc.
Moorwood, Charles	Keysight Technologies	Keysight Technologies
Muller, Shimon	Enfabrica	Enfabrica Corp.
MURAKAMI, YUKI	Fujitsu Limited	FUJITSU LIMITED
Muth, Karlheinz	Broadcom Corporation	Broadcom Corporation
Nering, Raymond	Cisco Systems, Inc.	Cisco Systems, Inc.
Noujeim, Leesa	Google	Google

Name	Affiliation	Employer
Nowell, Mark	Cisco Systems, Inc.	Cisco Systems, Inc.
Ofelt, David	Juniper Networks, Inc.	Juniper Networks, Inc.
Opsasnick, Eugene	Broadcom Inc.	Broadcom Inc.
PARK, CHUL SOO	Juniper Networks, Inc.	Juniper Networks Inc.
Rabinovich, Rick	Keysight Technologies	Keysight Technologies
Ran, Adee	Cisco Systems, Inc.	Cisco Systems, Inc.
Rechtman, Zvi	NVIDIA	NVIDIA
Ren, Hao	Huawei Technologies Co., Ltd	Huawei Technologies Co., Ltd
Sakai, Toshiaki	socionext	Socionext Inc.
Sella, Omer	Imperial College London	
Shakiba, Mohammad	Huawei Technologies Canada; Huawei Technologies Co., Ltd	Huawei Technologies Canada
Shanbhag, Megha	TE Connectivity	Tyco
Shukla, Priyank	Synopsys, Inc.	Synopsys, Inc.
Sikkink, Mark	Hewlett Packard Enterprise	Hewlett Packard Enterprise
Simms, William	NVIDIA Corporation	NVIDIA Corporation
Sommers, Scott	Molex Incorporated	Molex LLC
Theodoras, James	HG Genuine	HG Genuine
Tracy, Nathan	TE Connectivity	TE Connectivity
Weaver, James	Arista Networks	Arista Networks
Wingrove, Michael	Ciena Corporation	Ciena Corporation
Yin, Shuang	Google	

