

Agenda for the 2024Q1 CMC Meeting

MINATEC, CEA-Leti: Grenoble, France

Thursday, March 21, 2024

Version 4

MEMBERS AND GUEST COMPANIES ONLY

9:00 AM	Introductions (5 min.)	Peter Lee (Micron)
9:05 AM	Agenda Review (5 min.)	Peter Lee (Micron)
9:10 AM	Update from Si2 (30 min.)	Rob Aslett (Si2)
9:40 AM	Treasurer's Report (5 min.)	Takeshi Naito (KIOXIA)
9:45 AM	CMC Operational Items (15 min.)	Peter Lee (Micron)
10:00 AM	Break (15 min.)	

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ALL (includes Model Developers)

Greetings Jean-René Lèquepeys, Deputy Director and CTO, CEA-Leti

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|----------|------------------------------|---|
| 10:15 AM | EDA Vendor Reports (30 min.) | EDA Vendors |
| 10:45 AM | HiSIM2 (15 min.) | Takeshi Naito (KIOXIA) |
| 11:00 AM | HiSIM_HV (15 min.) | Takeshi Naito (KIOXIA) |
| 11:15 AM | HiSIM_SOI/SOTB (30 min.) | Jushan Xie (Cadence) for Samir Chaudhry (Tower Semiconductor) |
| 11:45 AM | BSIM-Bulk (15 min.) | Colin Shaw (Silvaco) for Kaiman Chan (TI) |
| 12:00 PM | Group Photo (5 min.) | |
| 12:05 PM | Lunch (55 min.) | |

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|---------|--------------------------------|---|
| 1:00 PM | BSIM-SOI (15 min.) | Jushan Xie (Cadence) for Anupam Dutta (GlobalFoundries) |
| 1:15 PM | BSIM-CMG (15 min) | Colin Shaw (Silvaco) |
| 1:30 PM | BSIM-IMG (15 min.) | Colin Shaw (Silvaco) for Tanvir Morshed (GlobalFoundries) |
| 1:45 PM | PSP (15 min.) | Andries Scholten (NXP) for Gert-Jan Smit (NXP) |
| 2:00 PM | L-UTSOI (15 min.) | Didier Celi (ST Micro) for Harrison Lee (Samsung) |
| 2:15 PM | Model QA and Release (15 min.) | Peter Lee (Micron) for Shahriar Moinian (Broadcom) |
| 2:30 PM | Diode_CMC (30 min.) | Klaus-Willi Pieper (Infineon) |
| 3:00 PM | OMI (15 min.) | Colin Shaw (Silvaco) |
| 3:15 PM | Break (15 min.) | |

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|---------|--|-----------------------------|
| 3:30 PM | Random Telegraph Noise (15 min.) | Colin Shaw (Silvaco) |
| 3:45 PM | SiC (45 min.) | Colin Shaw (Silvaco) |
| | SiC Candidate Model Presentation | |
| 4:30 PM | Guest Presentation: CMOS with 2D channels: A review of performance bottlenecks (45 min.) | François Triozon (CEA-Leti) |
| 5:15 PM | Adjourn | |

Agenda for the 2024Q1 CMC Meeting

MINATEC, CEA-Leti: Grenoble, France

Friday, March 22, 2024

ALL (includes Model Developers)

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|----------|----------------------------------|---|
| 9:00 AM | Agenda Review (5 min.) | Peter Lee (Micron) |
| 9:05 AM | Next Meeting Locations (10 min.) | Jushan Xie (Cadence) |
| 9:15 AM | MVSG_CMC (15 min.) | Colin Shaw (Silvaco) |
| 9:30 AM | ASM-HEMT (15 min.) | Colin Shaw (Silvaco) |
| 9:45 AM | ASM-ESD (15 min.) | Andries Scholten (NXP) for Michi Stockinger (NXP) |
| 10:00 AM | ESD FET (15 min.) | Peter Lee (Micron) for Meng Miao (Broadcom) |
| 10:15 AM | Memristor (15 min.) | Colin Shaw (Silvaco) |
| 10:30 AM | Break (15 min.) | |

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ALL (includes Model Developers)

10:45 AM One-page Group Summaries (30 min.)

All work group chairs

11:15 AM CMC Annual Survey: Leadership Response (15 min.)

CMC Officers, Si2

11:30 AM Next Meeting Planning (10 min.)

Peter Lee (Micron)

11:40 AM Action Items Review (10 min.)

Peter Lee (Micron) for Tanvir
Morshed (GlobalFoundries)

11:50 AM **Adjourn**



Officers/Advisors

Position	Name
Chairman	Peter M. Lee (Micron) (pmlee.si2@icloud.com)
Vice-Chairman	Jushan Xie (Cadence) (jushan@cadence.com)
Secretary	Tanvir Morshed (GlobalFoundries) (Tanvir.Morshed@globalfoundries.com)
Treasurer	Takeshi Naito (KIOXIA) (takeshi.naito@kioxia.com)
Technical Advisor: Verilog-A Code Quality Improvement	Geoffrey Coram (Analog Devices) (geoffrey.coram@analog.com)
Technical Advisor: Model QA and Release	Shahriar Moinian (Broadcom) (shahriar.moinian@Broadcom.com)

Term for the four officers: 2024 - 2025

Term for the Technical Advisors: no limits

Active Work Groups in the CMC

Work Group Names (CMOS Devices)	Chair
BSIM-Bulk	Kaiman Chan (Texas Instruments) (kaiman.chan@ti.com)
BSIM-CMG	Colin Shaw (Silvaco) (colin.shaw@silvaco.com)
BSIM-SOI	Anupam Dutta (GlobalFoundries) (anupam.dutta@globalfoundries.com)
BSIM-IMG	Tanvir Morshed (GlobalFoundries) (tanvir.morshed@globalfoundries.com)
HiSIM2	Takeshi Naito (KIOXIA) (takeshi.naito@kioxia.com)
HiSIM_HV	Takeshi Naito (KIOXIA) (takeshi.naito@kioxia.com)
HiSIM_SOI	Samir Chaudhry (Tower Semiconductor) (Samir.Chaudhry@towersemi.com)
HiSIM_SOTB	(vacant)
PSP	Andries Scholten (NXP) (andries.scholten@nxp.com) and Gert-Jan Smit (NXP) (gert-jan.smit@nxp.com)
L-UTSOI	Harrison Lee (Samsung) (lhw114@Samsung.com)

Active Work Groups in the CMC (continued)

Work Group Name (Bipolar Devices)	Chair
HICUM/L0 & HICUM/L2	Didier Celi (ST Micro) (didier.celi@st.com)
Mextram	Wei Chen (Texas Instruments) (wei.chen@ti.com)

Work Group Name (Other Devices)	Chair
ASM-HEMT, MVSG_CMC	Colin Shaw (Silvaco) (colin.shaw@silvaco.com)
ASM-ESD Diode Model	Michi Stockinger (NXP) (m.stockinger@nxp.com)
MOSVAR, Resistor Models	Geoffrey Coram (Analog Devices) (geoffrey.coram@analog.com)
SiC (not yet a standard)	Colin Shaw (Silvaco) (colin.shaw@silvaco.com)
ESD FET Model (not yet a standard)	Meng Miao (Broadcom) (meng.miao@broadcom.com)
Memristor Model (not yet a standard)	Colin Shaw (Silvaco) (colin.shaw@silvaco.com)

Active Work Groups in the CMC (continued)

Work Group Name (Other Standards)	Chair
OMI API	Colin Shaw (Silvaco) (colin.shaw@silvaco.com)
Reliability Model (not yet a standard)	Klaus-Willi Pieper (Infineon) (klaus-willi.pieper@infineon.com)
Random Telegraph Noise (not yet a standard)	Colin Shaw (Silvaco) (colin.shaw@silvaco.com)
Self-Heating Model (not yet a standard)	Richard Wachnik (IBM)

Work Group Name (Operational)	Chair
Model QA and Release	Shahriar Moinian (Broadcom) (shahriar.moinian@broadcom.com)
Verilog-A Recommended Practices	Geoffrey Coram (Analog Devices) (Geoffrey.coram@analog.com)

Si2 Staff

Area of Responsibility	Lead
CEO	Robert Aslett
VP Technology: Si2/CMC Management Synchronization	Leigh Anne Clevenger (leighanne.clevenger@si2.org)
Executive Technical Assistant: Model and application release management and QA	Marc Rose (marc.rose@si2.org)
Member Relations: Member onboarding, CMC events, member access control	Alan LaRotonda (alan.larotonda@si2.org)