

Minutes of Compact Model Council Meeting

October 14, 2005 Face-to-Face Meeting in Santa Barbara, CA

Companies and Universities in Attendance:

Agere, Agilent, ADI, Atmel, Broadcom, Cadence, Cypress Semiconductor, TU-Delft, Evolvable Systems Research, Freescale, Fujitsu, Hiroshima University, IBM, Infineon, Intel, Intersil, STARC, Jazz Semiconductor, NEC, Panasonic, Pennsylvania State University, Philips, Renesas, RF Micro Devices, Samsung, Sharp Corporation, Silvaco, Sony, SRC, ST Microelectronics, ROHM, Synopsys, TI, Toshiba, UC-Berkeley, UC-San Diego, UMC, Xpedion Design Systems, Elpida Memory, University of Arkansas, National Semiconductor, Mentor Graphics

1. Proximity Effect Subcommittee Report (Paul Humphries - ADI)

See website for presentation slides on status of this subcommittee. Also see Mark Basel's slides on details of committee's work.

2. QA Subcommittee Report (Rob Jones - IBM)

Rob Jones and Doug Weiser will now co-chair this subcommittee. See website for presentation slides on status of subcommittee.

3. Next Generation MOSFET Model Candidate Reports

Presentations on HiSIM and PSP Phase-3 evaluations were given in this order:

- A. HiSIM Team - Mitiko Miura-Mattausch (HU)
- B. PSP Team - Gennady Gildenblat (PSU)
- C. Silvaco - Ivan Pesic
- D. Cadence – Yutao Ma
- E. ADI – Geoffrey Coram
- F. Intel – Siva Mudanai
- G. Toshiba – Naoyuki Shigyo
- H. ST Micro – Jean Remy
- I. TI – Xin Zhang
- J. IBM – Rob Jones
- K. Freescale – Colin McAndrew
- L. Renesas – Kazunori Onozawa
- M. STARC – Hazama Sagoro
- N. Philips – Dick Klaassen
- O. Agilent – Rick Poore
- P. Jazz Semi - Samir Chaudhry

See website for presentation slides.

A floor vote was taken on whether to move forward as planned with the electronic ballot to choose between HiSIM and PSP directly following this meeting.

Vote results: 13 yes, 12 no. So, the CMC decided a ballot will be sent out after the meeting.

Action Item:

Joe Watts will initiate the ballot process following this meeting for selection of PSP or HiSIM as the next generation MOSFET model standard.

CMC made the decision to leave the website open for adding new evaluation results throughout the balloting period.

Action Item:

Joe Watts will follow up with GEIA to send a confirmation on receipt of ballots and expedite the ballot counting.

Action Item:

Joe Watts will confirm voting status of all members prior to the ballot.

4. Action Item Review

Following up on an action item from the October 13, 2005 meeting, the model release procedure and QA subcommittees decided to combine.

5. Next Meeting Planning

The next meeting will be held on December 8 in Washington, DC.

Meeting topics will include next generation MOSFET model standard ballot results and next steps, budget discussion, and model code open issues.

Meeting Adjourned.

This meeting was conducted in accordance with the EIA Legal Guides and EIA Manual of Organization and Procedure.