

Meeting Minutes

Berkeley Device Modeling Center
Industrial Advisory Board Meeting
Dec.18, 2025

Location: Online meeting by Webex

Date and time: December 18, 2025, 4:00-5:50 pm, US Pacific Standard Time

Attendees: BDMC Co-directors and researchers, BDMC Members (Synopsys, Globalfoundries, Samsung, Cadence, TSMC, Apple, Qualcomm, Intel)

Available Online: <https://www.bdmc.berkeley.edu/presentations/2025-11th-annual-advisory-meeting/>

1. Meeting started at 4 pm.
2. Sayeef Salahuddin presented Center Overview.
 - a. Reviewed Center members list.
 - b. Reviewed Center personnel.
 - c. Reviewed Center missions and operations.
 - d. Reviewed BDMC's views of FET technology trends
 - e. Reviewed Member Satisfaction Survey Results by projects. The results are mostly positive, with improved satisfaction for BSIM-IMG and the BSIM AI Extractor. The Center's response to the survey is to continue or increase efforts on all projects.
 - f. The Center decided to consolidate all models related to oxide transistors and TMDs under a single category called the Thin Film Semiconductor Transistor (TFST) models.
 - g. Reviewed Member comments and Centre responses on CMC and BDMC models.
 - h. Reviewed code releases in 2024 to BDMC members (4 releases) and CMC members (13 releases).
 - i. Reviewed Center publications.
 - j. Members provided advice on:
 - Providing a quantitative comparison of the speed benefit introduced using various approaches in NN-assist BSIM.
3. Avirup Dasgupta presented "NN-assist BSIM".
4. Jen-Hao Chen presented "Physical NN Compact Model for Flexible Modeling".
5. Meeting ended at 5:50pm Pacific Standard Time.