Si2 Compact Model Coalition Highlights: 2020

• 2020 marks the 25th Anniversary of the CMC, and the 2020Q4 meeting is the 100th meeting since its inception
• 29 member companies globally
• CMC is currently holding all quarterly meetings virtually due to COVID-19
Si2 CM Highlights: 2020 (continued)

• First releases of two new standards were completed
  – New ultra-thin body SOI standard model: L-UTSOI
  – New bipolar standard model: HICUM/L0

• VAMPyRE Verilog code checker software by Geoffrey Coram (Analog Devices) was released on July 25, 2020
  – Now accessible by all model developers around the world to enhance the Verilog code quality of all models worldwide

• The Open Model Interface (OMI) effort was a runner up to the Si2 2020 Partnership Award

• Updates to the following existing standard models:
  – BSIM4, BSIM-Bulk, BSIM-IMG, PSP, HICUM/L2, MVSG_CMC, ASM-HEMT

• Active Work Groups
  – Model QA and Release, Verilog Recommended Practices, OMI (Open Model Interface), ESD, Random Telegraph Noise, GMIN/MINR