

## MIXED-SIGNAL/RF PDK WORKING GROUP MEETING

**Date:** May 25, 2010

**Location:** Teleconference Only

**Time:** 10:00am (Pacific)

### Attendees:

- Thomas Moerth – austriamicrosystems AG, PDK WG Chairman
- Chelsea Boone, PDK WG GSA Contact
- Pankaj Mayor – Cadence
- Sabine Perko – X-FAB Semiconductor Foundries AG
- Luis M. Casas – RF Micro Devices
- Xingang Wang – Skyworks Solution
- Nick English – Si2
- Bob Carver – Si2
- Paul Double – EDA Solutions Limited
- John Laughlin – Dongbu HiTek Co., Ltd.
- Jingwen Yuan – Synopsys

### Working Group Purpose:

Creating a industry forum to gain a better understanding of the different formats that currently exist within the industry, how they differ from one another, what they define, who can use them, etc.

### Agenda:

- Update from Si2 on OpenPDK
- Update on who has used the iPDK standard released by the IPL Alliance and their feedback (Were not able to complete due to time)

### Minutes:

#### Si2 Status on OpenPDK

- Currently 9 members in the OpenPDK coalition (Cadence, Mentor, Synopsys, Springsoft, Magma, IBM, etc). The technology steering groups are currently in formation. The first meeting will be held on June 1st.
- OpenPDK will define the following:
  - Open format for CDF
  - pcell Interface: the standard will not define a language for the pcells, only which parameters a pcell has and the parameter range. EDA vendors will/can then translate this data into a native code pcell.
  - OpenDFM: a standard for DRC, LVS, Extraction, DFM, ... The donation of iDRC (from TSMC) to Si2 is still ongoing. There will be a special OpenDFM workshop on Sunday @ DAC. More info there.
  - A Spice socket standard. A standard on how simulators are integrated into simulation environments. Not a standard language for simulation models.
- There will be a free OpenPDK workshop @ DAC, Monday 1pm - 4pm with Intel, GlobalFoundries, Cadence, Synopsys, Mentor and Springsoft presenting.

- The efforts of IPL and Si2 are complementary. Both organizations work together to NOT create two standards. But both organizations define things that the other doesn't. (e.g., interoperability by IPL; iDRC/OpenDFM by Si2). There is an IPL Lunch on Monday Noon to 1pm.
- There was a good discussion about what OpenPDK defines and should define. One outcome is that we will create a survey to get feedback from PDK users on what they want from a PDK standard. Nick English from Si2 and Paul Double from EDA solutions will contribute questions. Of course any other input for the survey is welcome. Please send questions to [cboone@gsaglobal.org](mailto:cboone@gsaglobal.org)

**Next Meeting for PDK Working Group:**

Date: September 16, 2010

Time: TBD

Place: GSA Emerging Opportunities Expo & Conference, Santa Clara Convention Center, Meeting Room TBD