

Summer 2010 Meeting

July 14-15, 2010

Hilton Portland & Executive Tower, Portland, OR

AGENDA

WEDNESDAY, JULY 14, 2010

7:00-8:00 AM **Buffet Breakfast**

8:00-8:30 AM **Opening Remarks and Introductions**

John Ringo, CDADIC Director

CDADIC Proposal Presentations

MODERATOR: R. Bruce Darling (UW)

8:30-9:30 AM • Low-Power Low-Jitter All-Digital Frequency Synthesizers

Pavan Kumar Hanumolu (OSU)

• High-Throughput Data Busses

George La Rue (WSU)

• Ultra Low-Power Adaptive Radio Receiver Architectures and Circuits for
Wireless Sensing

Brian Otis (UW)

9:30-10:15 AM **Poster Session/Networking**

10:15-11:15 AM • Power Efficient Analog Circuits in CMOS

Un-Ku Moon (OSU)

• Class-E PA with Envelope Elimination and Restoration via Current-mode DAC

David Allstot (UW)

• Enabling Metal-Fill-Aware Design of RF/Mixed-Signal Integrated Circuits

Andreas Weisshaar (OSU)

11:15-12:00 PM **Poster Session/Networking**

12:00-1:00 PM **LUNCH**

CDADIC Proposal Presentations

MODERATOR: Pavan Hanumolu (OSU)

1:00-2:15 PM • New Faculty: Introduction and Proposal

Gate Current Measurement for Process Characterization and Failure Prediction

Jeremy Holleman (UT)

• Micro-Power Data Converters

Gabor Temes (OSU)

• ZTC Biasing for On-Chip Temperature Sensors and Voltage References

R. Bruce Darling (UW)

2:15-3:00 PM **Jazz Semiconductor – Fab Update**

Arjun Kar-Roy (Jazz Semiconductor)

3:00-4:00 PM **Poster Session/Networking**

6:00-8:00 PM **Hosted Social and Dinner**

THURSDAY, JULY 15, 2010

7:00-8:00 AM **Buffet Breakfast**

8:00-8:15 AM **Reminders**

CDADIC Proposal Presentations

MODERATOR: John Ringo (WSU)

- 8:15-9:30 AM
- New Faculty: Introduction and Proposal
Transformer Tuning Methods for Integrated PAs *Jacques Chris Rudell (UW)*
 - Low Noise Highly Linear Wideband MMICs for Multi-Band Beamformer Applications *Deuk Heo (WSU)*
 - Design Automation Techniques for Minimizing Dynamic and Static Energy Consumption in Multicore and Mixed-Signal, Wireless Sensor Systems *Patrick Chiang OSU*

9:30-10:00 AM **Poster Session/Networking**

10:00 -10:45 AM **IAB Voting – First Round**

10:45-11:15 AM **Break**

11:15-12:00 PM **IAB Final Voting and IAB General Meeting**

12:00-1:00 PM **LUNCH**

1:00-2:00 PM **CDADIC Executive Committee Meeting**