AGENDA

UNIVERSITY OF CALIFORNIA, DAVIS ELECTRICAL AND COMPUTER ENGINEERING INDUSTRIAL AFFILIATES CONFERENCE JANUARY 29, 2010

8:00 A.M. – 8:45 A.M.	CONTINENTAL BREAKFAST, REGISTRATION Poster Session I - Kemper Hall Lobby
8:45 A.M 8:50 A.M.	OPENING REMARKS - 1065 KEMPER HALL Professor Brian Kolner, Industrial Affiliates Committee
8:50 A.M 9:15 A.M.	CHAIR'S REPORT ECE DEPARTMENT CHAIR, PROFESSOR RICHARD A. KIEHL
9:15 A.M 10:00 A.M.	FACULTY PRESENTATION I - 1065 KEMPER HALL Professor Charles Hunt The Challenge of High-Quality, Energy-Efficient Lighting
10:00 A.M 10:20 A.M.	COFFEE BREAK & POSTER SESSION II -KEMPER HALL LOBBY
10:20 A.M 11:20 A.M.	GRADUATE STUDENT PRESENTATIONS I - 1065 KEMPER HALL Justin Wenck: "Power Electronics, Memories, and Wireless Sensor Miniaturization" Senhua Huang: "Distributed Power Control for Cognitive User Access based on Primary Link Outage Feedback" Avinash P. Nayak: "Fabrication of Devices at Room Ambient on Arbitrary Substrates: Plastics, Glass, Fabrics, Rubber and Even Human Hair"
11:20 а.м 12:20 р.м.	KEYNOTE SPEAKER - 1065 KEMPER HALL Dr. Thomas N. Theis, Director, Physical Sciences, IBM Research, T.J. Watson Research Center In Quest of the "Next Switch": Prospects for Greatly Reduced Power Dissipation in a Successor to the Silicon Field Effect Transistor
12:20 р.м 1:30 р.м.	LUNCH – KEMPER HALL LOBBY/1127 KEMPER HALL
1:30 р.м 2:15 р.м.	FACULTY PRESENTATION II - 1065 KEMPER HALL Professor Stephen O'Driscoll Adaptive Circuit Design for Implantable Medical Devices
2:15 рм - 3:00 р.м.	LAB TOURS - KEMPER HALL LOBBY
3:00 рм – 3:20 р.м. Hall Lobby	COFFEE BREAK & VOTING FOR BEST POSTER – KEMPER
3:20 р.м. – 4:20 р.м. Hall	GRADUATE STUDENT PRESENTATIONS II - 1065 KEMPER
HALL	Ramin Banan Sadeghian: "An Ultra-Selective Electronic Nose based on Field Ionization on Semiconducting Nanowire Arrays" Chi Law: "A High Gain 60 GHz Power Amplifier with 20 dBm Output Power in 90nm CMOS" Muhammad Zia: "Improving Bandwidth Efficiency of Hybrid ARQ under Orthogonal Space-Time Block Codes Without Diversity Loss"
4:20 p.m. – 4:45 p.m.	Closing Remarks & Best Poster Prize – 1065 Kemper Hall
5:00 р.м. Lobby	RECEPTION WITH FACULTY & STUDENTS – KEMPER HALL