# Center for Embedded Systems Vallet Laborative Constraints Room Vallet Laborative Room Vallet Labora

An NSF Industry/University Cooperative Research Center

# YEAR 6: IAB Meeting

Sarma Vrudhula, Professor Arizona State University

Spyros Tragoudas, Professor Southern Illinois University – Carbondale IAB Meeting, February 3-4, 2015







#### Who We Are

Academia





Industry

















Government



#### What We Do



# Why We Are Here

#### Annual Timeline/Project Cycle

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JAN	IAB Progress Report Meeting @ ASU, Tempe, AZ	
FEB	Research Priorities Due - industry to academia	7
MAR	RFP Sent to Faculty	
	Membership Fees Billed	
APR	Proposals Due to IAB	
	1st Pass Evaluations Completed	
MAY	Revised Proposals Due	
	Proposals Posted on CES website	잌잌
	IAB Annual Meeting @ SIUC, St. Louis area	٠
	Review and rank proposals	<u>2</u> .
	Present center update & budget	ᇩ
	Vote on new projects	
JUN		es
JULY	Announce New Projects	Ongoing Research
AUG	NEW PROJECTS BEGIN	-
SEP		
ост		
NOV		
DEC	Results of Final Projects Published	

# Center Leadership

- Sarma Vrudhula, Center Director
- Spyros Tragoudas, SIU Director
- Lisa Christian, Center Project Manager
- Nancy Beasley, SIU Project Manager





# IAB Leadership

- -Rathish Jayabharathi, chair
- -Rudy Beraha, vice chair





# National Science Foundation - Craig Scott (Evaluator)





#### **Guests from Industry**

- Rainer Gmehlich Robert Bosch
- Timour Paltashev Advanced Micro Devices
- Russel Enns The Boeing Co.

#### **Guests from Academia**

- Dr. Mircea Stan University of Virginia
- Dr. Michel Kinsy University of Oregon

#### **Speakers**

#### **National Science Foundation**

Craig Scott (Evaluator)

# **Keynote Address**

Energy Efficient Computing in Nanoscale CMOS: Challenges and Opportunities

Dr. Vivek K. De Director of Circuit Technology, Intel

#### **Agenda**

- Rathish Jayabharathi, Intel, IAB Chair
- BREAK 10 minutes
- Industry Presentations
- Industry Poster Session
- LUNCH

# **Mid-term Update Process**

#### Presenter

- Each presenter will have 3 minutes for their short "elevator pitch"
- Each presenter has a poster setup in the back of the room to use for deep-dive discussions with the industry members
- Seven presentations back-to-back
- Immediately following the presentations is 60-90 minutes for industry members to interact with all presenters

#### **Industry Members**

- Please hold questions for poster sessions
- Please show your appreciation to the presenters when the timer elapses by applauding
- During poster session, please rotate to all presenters posters when asked to do so
- Be prepared to evaluate each project on LIFE forms after poster session

#### Host

- Set/Start 3-minute timer at beginning of each presentation
- During the 90 minute poster session, the host will notify industry members when it is time to rotate to next poste

# Industry Presentations / Poster

- UTC Aerospace Systems, Frank Ludicky
- Intel, Rathish Jayabharathi
- Toyota, Jyo Deshmukh
- Marvell, Jennifer Wang
- Qualcomm, Rudy Beraha
- Johnson Controls, Samuel Hamilton