



Welcome to EDPS 2018

Electronic Design Process Symposium

www.ieee-edps.org

Shishpal Rawat, IEEE





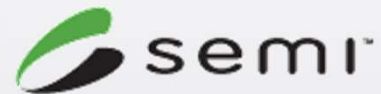
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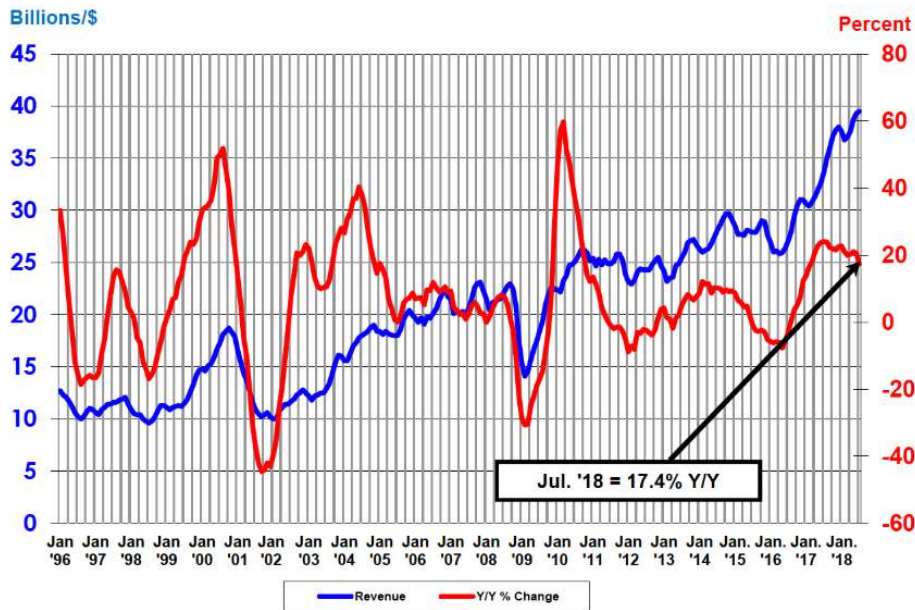


And special thanks to Jim Hogan and Bob Smith

Future of our Industry – Bright

Worldwide Semiconductor Revenues

Year-to-Year Percent Change



Source: WSTS

World Wide EDA/SIP Revenues

Source ESDA

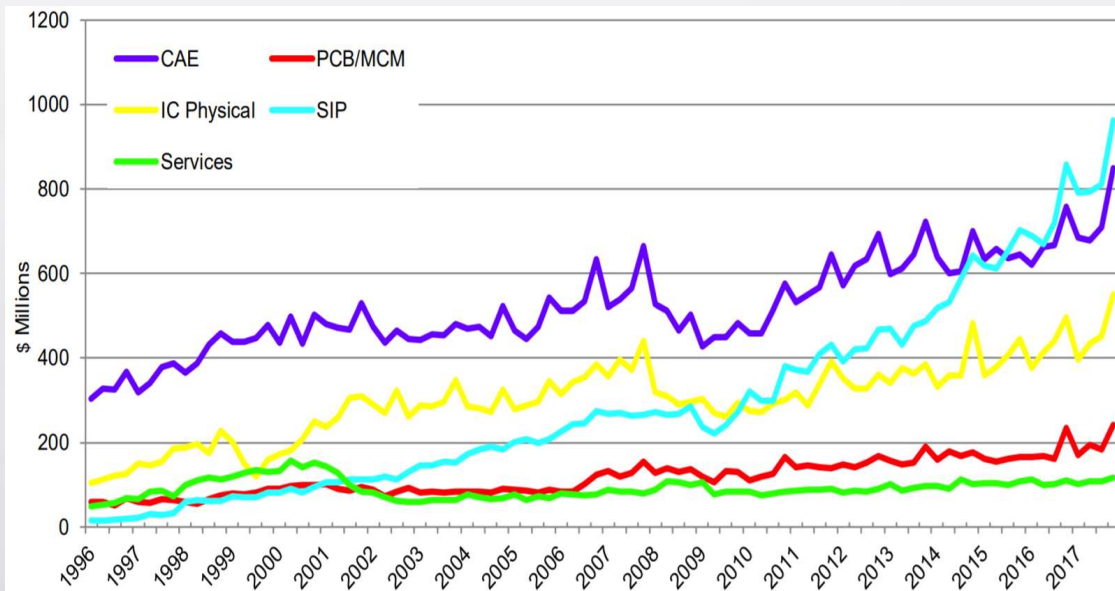



Figure 5: Revenue history, 1996 – present



EDPS – In its 25th edition

2nd year in the valley (after 23 years in Monterey)

Continues to address the current challenges of our industry

- Establish closer ties between Design, Test & Manufacturing
- New technologies to enhance performance even with slow down in “transistor scaling”

Working closely with professionals & academia in the field to modernize tools and methodologies



Your EDPS Committee

2017

Aparna Dey

Camille Kokozaki

Darshan Patra

Dwight Hill

Herb Reiter

John Swan

Naresh Sehgal

Shishpal Rawat

Steve Grout

Vivek Joshi

2018

Camille Kokozaki

Chris Bailey

Devangkumar Jariwala

Don Draper

Dwight Hill

Herb Reiter

Huafeng Yu

John Swan

Naresh Sehgal

Norman Chang

Ramond Rodriguez

Shishpal Rawat

Steve Grout

Vivek Joshi

EDPS 2018 Agenda

EDPS 2018	Presenter / Session Chair	Company	Talk Title
Thu Sep 13			
8:00 AM	Breakfast, Registration and Networking		
8:45 AM	Opening	Shishpal Rawat	IEEE CEDA
9:00 AM	Keynote	Chris Rowen	BabbleLabs
9:50 AM	Break		
10:00 AM	Session 1	Innovative Design Techniques	
		Ramond Rodriguez, Devang Jariwala	Intel Corp.
		Session Chairs	
10:00 AM		Patrick Groeneveld	Cadence/Stanford
10:25 AM		Balachandran Rajendran	Dell EMC
10:50 AM		Rohit Sharma	Paripath
11:15 AM		Joonyoung Kim	NVXL Tech
11:40 AM		Jai Kumar	Intel Corp.
12:05 PM	Lunch		
1:00 PM	Keynote	Andrew Kahng	UCSD
1:35 PM	Break		
1:50 PM	Session 2	Smart Manufacturing	
		Herb Reiter, Don Draper, Chris Bailey	eda2asic, Consultant, Univ of Greenwich
		Session Chairs	
1:50 PM		Tom Salmon	SEMI
2:20 PM		Wilfried Bair	NextFlex
2:50 PM		Matt Knowles	Mentor
3:20 PM		Dave Armstrong	Advantest
3:50 PM	Break		
4:15 PM	Session 3	System Reliability for ADAS, AI, 5G and Photonics	
		Norman Chang & John Swan	Ansys, Intel Corp.
		Session Chairs	
4:15 PM		Di Liang	HP Labs
4:45 PM		Amisha Sheth	Intel
5:15 PM		Ritesh Tyagi	Infineon
5:45 PM		Norman Chang	Ansys
6:15 PM	Break		
6:30 PM	Dinner & Panel	Bob Smith	ESDA
		Jim Hogan interviews Amit Gupta (Mentor Graphics): Crossing the Chasm: Building a Startup to a Successful Exit	

Fri Sep 14				
8:00 AM				Breakfast & Networking
8:45 AM	Keynote	Simon Johnson	Intel	Confidential Cloud - HW based Security
9:30 AM				Break
9:45 AM	Session 4			CyberSecurity
		Naresh Sehgal & Huafeng Yu	Intel Corp., Boeing	Session Chairs
9:45 AM		Gang Qu	Univ of Maryland	Polymorphic Gates and Their Applications in Hardware Security
10:15 AM		Alessandra Nardi	Cadence	Functional Safety for Semiconductor Designs
10:45 AM		Ujjwal Guin	Auburn Univ	Cybersecurity solutions in HW
11:15 AM		Naresh Sehgal	Intel	Intro to Block Chain and its potential applications to EDA.
11:45 AM				Lunch
1:00 PM	Session 5			PANEL: Block Chain – Will it work for Security? Specialized verification? Manufacturing?
		Shishpal Rawat		Session Chair
		James Hogan	Vista Ventures LLC	
		James Gambale	LomasoftCorp	
		Naresh Sehgal	Intel Corp.	
2:15 PM	Wrap-up	Shishpal Rawat	IEEE CEDA	Closing comments & Feedback

EDPS 2018
3 keynotes, 17 talks, 1 panel
Networking & Dinner with ESDA

Thank you speakers, committee
members and the attendees
Have a great 2018



It's a Symposium – Participate & Network

- Please silence your alerts - Our speakers will appreciate that
- Please (as much as practically possible) occupy the back seats if you are taking notes on the laptop.
- Let a committee member know if we can help you with something.
- And most of all - Ask Questions, Provide Feedback to organizers and Network with colleagues
- And if you must -- WiFi network is SEMI-Guest; password SEMIguest