

BUENAVENTURA COMMUNICATIONS SOCIETY CHAPTER

Moore's Law Turns 50- How Much Longer Can it Last?

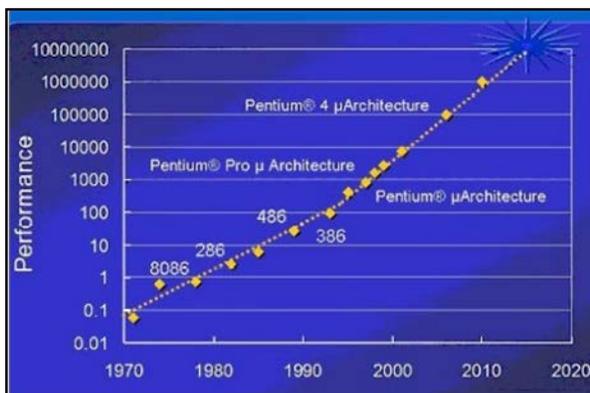
Speaker, Ray Duran, Extron Electronics

Tues Aug 11, 2015 at 6:30 pm

Location: Skyworks Solutions, Newbury Park, CA

Meetings are free and open to the public

RSVP [at this link](#)



Our new smartphones, with 2 billion transistors, boosts more computing power than a laptop purchased two years ago, a fact driven by a rule known as Moore's Law, which states that the number of transistors on a chip doubles approximately every two years. Gordon Moore's prediction of exponential growth has held true since he proposed it in 1965. The end of Moore's Law seems to

have been announced every decade, but the industry found innovative paths to keep the spirit of this law alive. As we mark the 50th anniversary of this prediction, many wonder if the sophisticated manufacturing processes and increasingly esoteric chip materials are to shrink the die size have reach their limit. Can Moore's Law last much longer?



Ray Duran, Principal FPGA Design Engineer at Extron Electronics will explore the runway of the Moore's Law from historical, present and future perspectives with a compelling look into new technologies, business models, and innovations poised to challenge the doomsayers of this golden rule of semiconductor industry.

Ray Duran has 25 years of engineering experience in the field of programmable devices and has become an expert in the design, development and programing of very high speed digital signal processing chips for applications requiring the management of high data throughput and rapid analysis such as video and military based systems with intense computing analysis. Ray graduated with a BSEE

degree from the California State University Fresno in 1988. He recently obtained a master' in engineering from UCLA in 2014.

Location

Skyworks Solutions

Intersection of West Hillcrest Drive and Lawrence Drive

Newbury Park, CA 91320

(not the main building, please use link below to arrow that pinpoints building)

<http://maps.google.com/maps?q=34.187542,-118.930994&num=1&t=h&vpsrc=0&ie=UTF8&z=18&iwloc=A>

Directions

From Los Angeles

Highway 101 North

Take exit 47A for Rancho Conejo Blvd

Use the left lane to turn right onto Rancho Conejo Blvd

Turn left onto W Hillcrest Dr

Destination will be on the right

Highway 101 South

Take exit 47B for Wendy Dr toward Newbury Park

Turn right onto N Wendy Drive

Continue onto Camino Dos Rios

Turn right onto W Hillcrest Drive

Destination will be on the left.

