



## BUENAVENTURA ELECTRON DEVICES / CIRCUITS AND SYSTEMS SOCIETIES CHAPTER

# Three M's and Three F's

# Mathematics, Memory, Motion, FPGA's, Functional Programming, & Frames

*Speaker: Ray Duran, Extron Electronics*



**August 29, 2017 at 6:30 PM**

Location: Skyworks Solutions, Newbury Park, CA

These are exciting times with rapid development of silicon technologies, application of new mathematics and new programming paradigms all arising and converging. This discussion touches lightly on these important topics and shows how they are interconnected through the application of motion frames (video). There is something here for anyone interested in our brave new digital world, where it came from and where it is going.



**Ray Duran**, Principal FPGA Design Engineer at Extron Electronics, has over 25 years of engineering experience in the area of Field Programmable Gate Arrays (FPGAs), developing applications for real-time environments such as video and military based systems. Ray graduated with a BSEE degree from California State University Fresno in 1988 and masters in engineering from UCLA in 2014, with emphasis on digital signal processing.

## Location

Skyworks Solutions

649 Lawrence Drive, Newbury Park, CA 91320

Intersection of West Hillcrest Drive and Lawrence Drive

(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

### From Ventura

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.

