

---

## **Ecliptek To Present “Frequency Control Challenges and Solutions” Seminar at Arrow L.A. Tech Forum**

**September 21, 2016**

Costa Mesa, CA - Ecliptek Corporation’s Vice President of Engineering, Thomas Culhane, will be presenting the first in his series of national lecture stops on October 4, 2016, at the Warner Center Marriott in Woodland Hills, CA. Hosted by Arrow Electronics, Mr. Culhane will deliver comprehensive insight into the design challenges associated with today’s frequency control marketplace.

“In the more than 20 years that I have joined Tom on his lecture circuits, I am always reminded of what an outstanding presenter he is. His inherent knowledge of the material combined with his ability to directly respond to customer inquiries and application specific questions never fails to impress his audience,” stated Robert Zarrow, Ecliptek Vice President of Sales and Marketing. “Tom has prepared a detailed program to shed light on what design teams need to consider when specifying their ideal clocking solution and how to go about finding it.”

Filling a need for customer oriented frequency control design support, Mr. Culhane will provide an in depth presentation focusing on how to identify application specific solutions from the multitude of MEMS oscillators, quartz oscillators, and crystal resonator products available today. Among the topics to be addressed by Ecliptek:

- The Challenge of Matching Oscillator Types to Applications
- MEMS Oscillator Construction/Topography
- Product Trends: Performance and Packaging
- The Impact of Connectivity on Frequency Control Products

A renowned expert in the field, Mr. Culhane brings over 30 years of crystal and oscillator engineering experience to the forum. Working closely with Arrow’s LA Engineering team, his material is compiled specifically to streamline the crystal and oscillator selection process, with consideration towards performance, cost efficiencies and engineering support.

Mr. Culhane will provide time for Q&A after his presentation and will be available to offer personal design assistance at Ecliptek’s booth later in the evening. Please use [this link](#) to learn more or to register for the LA Tech Forum seminar.

### **About Ecliptek**

*Founded in 1987, Ecliptek has become a leading supplier of frequency control products to the electronics industry. Ecliptek provides complete engineering support, unparalleled customer service and innovative products to their OEM customers and distributors worldwide. Complete information on company operations or any of Ecliptek’s quality frequency control devices can be obtained by visiting Ecliptek’s internet site at [www.ecliptek.com](http://www.ecliptek.com). The company’s Email address is [sales@ecliptek.com](mailto:sales@ecliptek.com)*