



**Special Event**  
**Nationally Recognized Speaker**  
Tuesday, January 16th - 5:15 to 9pm

Please join us to learn as *Industry Heavyweight* Dr. Dan Baldwin, Engent shares with us his insight and vision into Lead Free Solder Solutions.

Dr. Daniel F. Baldwin is a founder of Engent, Inc.- Enabling Next Generation Technologies providing enabling manufacturing services and process technologies in the areas of microelectronics, flip chip, optoelectronics, and MEMS. He is an Associate Professor of Mechanical Engineering at the Georgia Institute of Technology, and was formerly the Vice President of the Advanced Assembly Technology Division of Siemens Electronic Assembly Systems. He received his S.M. and Ph.D. degrees in Mechanical Engineering from MIT, has eleven years of experience in the electronics manufacturing and polymer processing industries, seven U.S. Patents, over 200 scholarly publications. He serves on the SMTA Board of Directors as Treasurer.

### **Lead Free Solder Solutions Presentation and Discussion**

This presentation will review the materials, processes and reliability of Lead Free Solder Solutions. The presentation will focus on materials selection based on environmental impact and market trends. It will also highlight lead free solutions for component lead terminations, connectors, and PCB surface finishes. Process implementation strategies and issues from lead free processing will be presented. A discussion on backwards compatibility of lead free solder will also be included. Reliability and qualification of lead free solder solutions across multiple industrial efforts will also be reviewed.

SMTA Members free, Non-members \$15

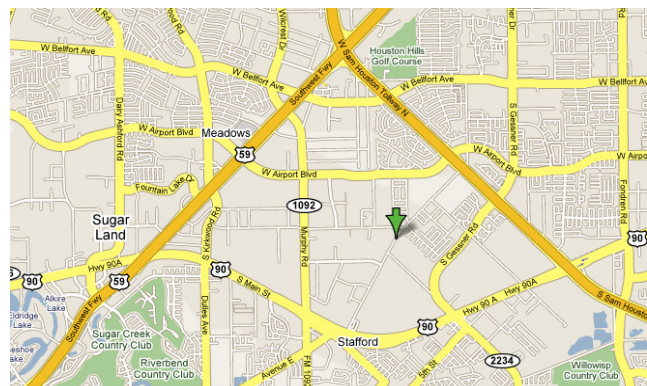
Food and Beverage will be served at 6:00

Meeting begins promptly at 6:30.

RSVP – Required. To RSVP, please copy and paste the following address into your web browser:  
[http://www.smta.org/chapters/rsvp.cfm?BEE\\_ID=1231&BULK\\_EMAIL\\_NO=1](http://www.smta.org/chapters/rsvp.cfm?BEE_ID=1231&BULK_EMAIL_NO=1)

Questions call Lauren Groth 281-251-8836 or (Lauren@UltimateSolutions-Inc.com)

Premier Electronics EMS  
13219-B Stafford Road  
Missouri City, TX 77489  
281-403-2770



**Sign up early—space is limited!**