

Heraeus



Heraeus Events at IMAPS International Conference

International Microelectronics and Packaging Society (IMAPS)
October 9-13, 2011 - Long Beach, CA.

At This Year's IMAPS Exhibition

Heraeus Materials Technology Thick Film Business Unit will be offering a course in Thick Film Screen Printing and presenting a paper on Silver Powder metallurgy. **For more information or to register, click [here](#).**

Win A Silver Bar!

Stop by Booth #310 For A Chance To Win a Silver Bar!



At the end of every exhibition day, Heraeus will raffle a 1Troy Ounce Ag bar. Please stop by the Heraeus

Heraeus IMAPS Events

Technology of Screen Printing will be co-taught by David Malanga, Business Unit Manager for Heraeus' Thick Film Materials Division, and Art Dobie, Senior Territory Manager for Sefar, Inc. The course will feature some of the latest advancements in composition, screens and printing technology that will enable screenprinting to meet future circuit density requirements as well as the definition required for microwave circuitry. By increasing their understanding of the screen printing process, attendees will learn how to improve production yield and print quality. The course will be given on Monday, October 10, 2011.

"How Silver Powder Metallurgy Affects the Physical Properties of Low Temperature Firing Silver Conductors" will be presented by Samson Shahbazi, Senior Research Scientist at Heraeus, and Mark Challingsworth, Technology Manager for Heraeus. The paper features the implications of the lead-free movement that is taking place on a global scale among hybrid microelectronic manufacturers. These manufacturers must now be aware of the interaction between lead-free solder alloys and RoHS-compliant thick film materials. Shahbazi and Challingsworth will discuss the results of newly developed Pb- and Cd-free silver

booth, Booth #310, for more details.

thick film paste. The paper will be presented on Tuesday, October 11, 2011.

Heraeus and the Microelectronics Business

In response to the ever-changing marketplace, Heraeus is continuing to invest in our microelectronics business. A \$10-million-plus expansion of our headquarters in West Conshohocken, Pa., has doubled our production capacity. Two new product lines have been successfully launched: IAMS, an Insulated Aluminum Materials System developed for aluminum substrates, offers selective deposition and low design-change costs compared to metal-core PCBs; and a Thick Printing Cu Conductive Paste System developed for power electronic applications that require excellent print quality, thermal conductivity and soldering properties. To learn more about Heraeus products and technology, and how we can work with your business, please visit us at Booth #310.

[Heraeus](#), the precious metals and technology group headquartered in Hanau, Germany, is a global private company in the business segments of precious metals, dental health, sensors, quartz glass, and specialty lighting sources. With revenues of 12 billion Euro and over 11,000 employees, Heraeus has stood out for more than 150 years as one of the leading companies involved in precious metals and materials technology.

Heraeus