INDIANAPOLIS, Ind., March 8, 2016—As the semiconductor industry has widely adopted copper pillar bumps with lead-free solder caps, interest has grown in the characterization of polymer photoresist residue on the side walls of these pillars. Kim Pollard, technology manager for Dynaloy, LLC, a subsidiary of Eastman Chemical Company, will give a presentation on the importance of effective inspection of the side walls to ensure they’re clean March 15th at noon* during the International Microelectronics Assembly and Packaging Society (iMAPS) conference near Phoenix, Arizona.

“While it’s common practice to use optical microscopy techniques to inspect a whole wafer, this inspection process is challenged in the extreme with tighter pitch copper pillar applications. You can inspect a clean copper pillar wafer and still miss photoresist residue on the copper side walls,” said Pollard.

During her presentation, Pollard will discuss wet processes for copper pillar cleans, and she’ll focus on characterization of copper pillar and solder side walls. The presentation will include examples with various photoresists and different copper and solder configurations. In addition, Pollard will discuss samples of varying copper/solder bump heights and pitches. Finally, she’ll present compatibility results.

“Thorough inspection is a crucial part of achieving the best possible surface preparation, which contributes to reliability and yield. When all surfaces, including the side walls, are properly cleaned, semiconductor manufacturers are able to provide their customers with a consistent, reliable product,” Pollard said.

*Date and time of the presentation by Kimberly Pollard are subject to change. Please refer to http://www.imaps.org/devicepackaging/ for the most up-to-date conference schedule.

About Dynaloy™

Founded in 1965, Dynaloy, LLC has grown from a small regional provider of electronic cleaning chemistries to what is now an international manufacturer of chemicals for the electronics industry—with superior material science, analytics, and technical capabilities. A wholly owned subsidiary of Eastman
Chemical Company, Dynaloy combines the responsiveness of a small company with the market knowledge, material science expertise, and vast resources of a world leader in chemical manufacturing. And as part of a global organization, Dynaloy is committed to finding innovative approaches that lead to practical solutions. Equipped with a state-of-the-art product development lab and clean room, the manufacturing facility in Indianapolis, Indiana is designed to enhance the kind of creative thought that facilitates beneficial product design, heightens reliability, and fosters unparalleled customer service. More information about Dynaloy is available at www.dynaloy.com.

**Media Contacts:**

Missy Belote, +1 423-229-4015 | mbelote@eastman.com

Maryellen Mantyla, +1 423-229-4269 | mmantyla@eastman.com