Georgia Tech

Research News

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GEORGIA TECH CONFERENCE TO ADDRESS ELIMINATING CFC USE IN MANUFACTURING PRINTED CIRCUIT BOARDS

Eliminating the need for chlorofluorocarbons (CFCs) in printed circuit board manufacture becomes more important to industry leaders each day as the new 1995 deadline for phasing out CFC usage approaches.

To help meet that deadline, industry experts and process engineers from around the world will convene at the Georgia Institute of Technology May 27 through 29 for the International Conference on Solder Fluxes and Pastes. Dr. Laura Turbini, associate director of Georgia Tech's Manufacturing Research Center (MARC), is program chairman for the conference.

"The drive to limit the use of CFCs by the end of 1995 makes an understanding of solder and flux alternatives a very hot topic today," she said.

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INTERNATIONAL CONFERENCE ON SOLDER FLUXES AND PASTES
MAY 27-29, 1992

Key Issues to Be Addressed:

***No-clean fluxes and pastes**
***Water-soluble fluxes and pastes**
***Surface insulation resistance testing**
***Military contracting issues related to CFC alternatives**

"It's a topic that is on the minds of many processing engineers."

The conference is jointly sponsored by the Institute for Interconnecting and Packaging Electronic Circuits (IPC) and the Manufacturing Research Center. The meeting provides an international forum for industry experts and engineers to identify the latest technological developments in CFC alternatives. About 200 people are expected to attend.

CFCs once were widely used as aerosol propellants and refrigerants. They have been implicated in the depletion of the ozone layer, which shields Earth from the sun's most damaging rays.

Currently, CFCs are used to remove resin fluxes from printed circuit boards, which are components in everything from computer games to automotive electronics and computers. Fluxes aid in soldering board components by cleaning metal surfaces to be joined.

A committee meeting of the International Standards Organization for Soldering Materials follows the next week.