



News in Mechanical Engineering



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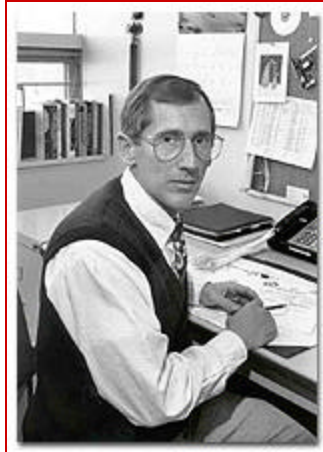
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CALCE EPSC Researchers Barker and Sandborn Win Paper Awards



Professor Donald Barker.

Professor of Mechanical Engineering **Donald Barker** of the **CALCE Electronic Products and Systems Center (ESPC)** and Michael Freda of Sun Microsystems, Inc. have won the "Best U.S. Paper for 2006" award from the IPC Printed Circuits Expo, APEX and Designer's Summit 2006 Technical Program Committee for their paper "Predicting Plated Through Hole Life at Assembly and in the Field from Thermal Stress Data." The award will be announced at the February 8 Opening Ceremony of the Summit in Anaheim, California. The paper will be published in the Proceedings of IPC Printed Circuits Expo, ADEX and the Designer's Summit, February 18, 2006, Anaheim CA.

Associate Professor of Mechanical Engineering **Peter Sandborn** and



Professor Peter Sandborn.

Pameet Singh won the 2004 SOLE (The International Society of Logistics) award for the best paper published in the SOLE Proceedings in 2004. The title of the paper was "Forecasting Technology Insertion Concurrent with Design Refresh Planning for COTS-Based Electronics Systems." The award was made at the 40th Annual International Logistics Conference and Exhibition in Orlando, FL in August 2005.

The CALCE Electronic Products and Systems Center (EPSC) is an interdisciplinary research center sponsored by over 50 commercial corporate and government organizations from all sectors of the electronics systems industry. Over the last 15 years, CALCE EPSC has invested over \$45M in developing methodologies, models, and design tools that address the design and manufacturing of electronic systems. CALCE EPSC is recognized as a founder and driving force behind the development and implementation of physics-of-failure approaches to reliability and life cycle prediction, as well as a world leader in accelerated testing, and electronic parts selection and management. CALCE EPSC is currently at the forefront of international standards development for critical electronic systems having chaired the development of several reliability and part selection standards. The Center is currently staffed by over 100 faculty, staff and students, and in 1999 became the first academic research facility in the world to be ISO 9001 certified. Collectively, CALCE researchers have authored over 25 internationally acclaimed textbooks and well over 250 research publications relevant to reliability initiatives emphasizing manufacturing related sustainability issues.

