



Mechanical Engineering
Academy of Distinguished Alumni

Andrew J. Mawer

Outstanding Young Mechanical Engineer, 2007

BSME, The University of Texas at Austin, 1987

MSME, Rice University, 1989

Research and Development Manager

NXP Semiconductors, Austin, TX

Andrew J. Mawer is a Research and Development Manager at NXP Semiconductors in Austin, Texas. At NXP, he manages an analytical and reliability laboratory within the Product and Technology Enablement organization. Andrew has been with NXP, formerly Freescale Semiconductor and the semiconductor division of Motorola prior to that, for a total of 24 years.

His primary areas of focus there are new packaging technology assessment and implementation, resolution of customer manufacturing issues, and product reliability characterization. One of the highlights of his time there was the transition to lead-free solder from lead-based solder as part of the 2006 Restriction of Hazardous Substances directive.

Prior to joining Motorola, Andrew spent four years at Compaq Computer, now Hewlett Packard, where he was involved with the implementation of some of the first high pin count Plastic Ball Grid Array packages in the industry. While there he also was part of the development team for one of the first laptops in the industry, the Compaq LTE.

He has been active in authoring and presenting on many aspects of packaging and reliability at a variety of conferences, symposia, and in industry publications, including two book chapters.

Andrew is an active member of SMTA and serves on the Technical Committee of the SMTA International Conference, the Review Board of the SMTA Journal, and with various leadership roles within the Central Texas SMTA chapter. He received the National Member of Technical Distinction Award from the SMTA in 2007.

Andrew received his BS degree in mechanical engineering from The University of Texas at Austin in 1987 and an MS degree in mechanical engineering from Rice University in Houston, Texas, in 1989. While at UT he was a recipient of the Cockrell Foundation and Friends of Alec Scholarships, a member of the Pi Tau Sigma Honor Society and an ASME Design Contest Award. He was honored to receive the Outstanding Young Mechanical Engineer Award from UT's Department of Mechanical Engineering in 2007.