

## **Author(s) Biography for DC and AC Bias Dependence of MLCC Capacitors Including Temperature Dependence**

Istvan Novak is a Senior Principle Engineer at Oracle. Besides signal integrity design of high-speed serial and parallel buses, he is engaged in the design and characterization of power-distribution networks and packages for mid-range servers. He creates simulation models, and develops measurement techniques for power distribution. Istvan has twenty plus years of experience with high-speed digital, RF, and analog circuit and system design. He is a Fellow of IEEE for his contributions to signal-integrity and RF measurement and simulation methodologies.

Barry Williams is a principal engineer and a member of the technical staff at Oracle-Sun Microsystems since 2005. Before joining Oracle-Sun Microsystems, he worked for 17 years as principal engineer at Digital Equipment Corp – Hewlett Packard Co working in the VAX and Alpha Systems groups. Authored a book titled Power Distribution Systems for Electronic Circuits, and has co-authored several DesignCon papers that were presented. Graduate of Northeastern University.

Jason R. Miller is a Principle Hardware Engineer at Oracle Corporation where he works on ASIC development, ASIC packaging, interconnect modeling and characterization, and system simulation. He has published over 40 technical articles on the topics such as high-speed modeling and simulation and co-authored the book “Frequency-Domain Characterization of Power Distribution Networks” published by Artech House. He received his Ph.D. in electrical engineering from Columbia University.

Gustavo J. Blando is a Principle Hardware Engineer with over ten years of experience in the industry. Currently at Oracle Corporation, he is responsible for the development of new processes and methodologies in the areas of broadband measurement, high speed modeling and system simulations. He received his M.S. from Northeastern University.

Nathaniel Shannon is a Signal Integrity Hardware Engineer at Oracle Corporation. He is responsible for the development of signal integrity modeling and simulations of high speed serial and parallel buses as well as simulations of power distribution networks. He received his M.S. from Northeastern University.