

EMC Circuit Design for the Real-World

Dr. Bruce Archambeault

June 11, 2019

7:30AM—6:00PM

**Giovanni's Restaurant
and Conference Center
Rockford, IL**

Seminar Overview

Session 1 - Grounding System Design

Session 2 - EMC Considerations for PCB Design

Session 3 - EMC Rule Checker Software

Session 4 - EMC System Design

Seminar Registration

IEEE Members	\$125.00
Non-IEEE Members	\$175.00
Student/Life Members	\$60.00
Group Rate (4 + from same corporation), please call.	

Seminar Fee includes seminar attendance, a copy of the presentation material, and breakfast, lunch, and refreshments.

**Registration help for payment:
Adrian Vandergrift
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Questions? Please contact:

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This seminar is intended for **mechanical, electrical, and system designers** of equipment that must meet or exceed electromagnetic interference (EMI) test requirements for aerospace or industrial control systems. The first session addresses the true purpose of grounding systems and how to correctly route power and signal return currents back to their source. The second session on the electromagnetic compatibility (EMC) design of printed circuit boards (PCBs) includes “Do’s and Don’ts” guidelines. The third session on EMC rule checker software shows how to automate these “Do’s and Don’ts” guidelines to flag EMC potential problems. The fourth session on system-level EMC design concepts includes mechanical designs of metal chassis, chassis grounding methods, and options for connectors and interconnecting shielded cables between equipment units.

Attendees will have the opportunity to network with EMC and Test Equipment vendors from across the U.S. Past seminars have featured up to 32 exhibitors!



Dr. Bruce Archambeault, is an IBM Distinguished Engineer at IBM in Research Triangle Park, Raleigh, NC and the lead EMC engineer responsible for EMC tool development. He is also the current president of the IEEE EMC Society. He received his B.S.E.E degree from the University of New Hampshire in 1977 and his M.S.E.E degree from Northeastern University in 1981. He received his Ph. D. from the University of New Hampshire in 1997. His doctoral research was in the area of computational electromagnetics applied to

real-world EMC problems. Dr. Archambeault’s career includes working for Digital Equipment Corporation, SETH Corporation, IBM, and the U.S. Air Force. He served as a past IEEE/EMCS Distinguished Lecturer and Associate Editor for the IEEE Transactions on Electromagnetic Compatibility and is a past member of the Board of Directors for the Applied Computational Electromagnetics Society (ACES). Dr. Archambeault has authored or co-authored many papers on computational electromagnetics. He is the author of the book “PCB Design for Real-World EMI Control” and the lead author of the book titled “EMI/EMC Computational Modeling Handbook”.

Rockford, Illinois is located just over an hour’s drive from Chicago’s O’Hare airport. Direct bus service from Chicago/O’Hare airport is available. There are several hotels within few blocks of the Giovanni’s Conference Center. For more information about things to see and do in Rockford, Visit <https://www.gorockford.com/>

This seminar will qualify for 7.2 Professional Development Hours (PDH).

For more information visit our website:

<http://ieee.org/rrvs/>

Registration Link:

<https://goo.gl/A2vxjq>