

Why should I take this class?

Electromagnetic compatibility (EMC) has become a nearly universal requirement for electronic products worldwide. It is highly unlikely that anyone involved in electronics will not encounter and need a basic understanding of EMC in their careers. Failure to consider EMC very early in product development can be very costly in both dollars and schedule.

This class will present the concepts needed for a basic understanding of EMC in a few hours time. The class will have a very practical emphasis on concepts needed for a basic understanding of what has often been regarded as “black art.”



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Rock River Valley Section
www.ieee.org/rrvs



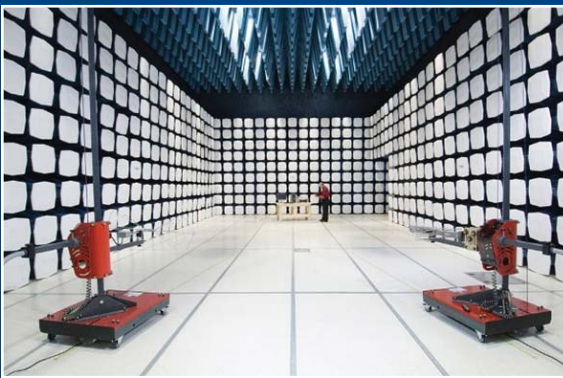
Electromagnetic Compatibility for the Working Engineer

Thursday, February 18, 2010
8:30 a.m. - 4:30 p.m.
Woodward Technology Center
Rock Valley College Rm 117, 119, 121
3301 N. Mulford Road, Rockford, IL
Cost: \$175 per person

Presented by
Rock Valley College
Engineering and Technology Division
and
Business and Professional Institute

Rock Valley College

Electromagnetic Compatibility for the Working Engineer



Interior of a large anechoic EMC test chamber at Ingenium Testing in Rockford

Class topics:

- Why must working electrical engineers have a basic understanding of electromagnetic compatibility (EMC)?
- Is EMC really a “black art” as often stated?
- What are the keys to demystifying EMC for the working engineer?
- How can I predict and deal with EMC problems early in programs?
- What basic EMC design techniques do I need to understand?
- What critical design and test issues must be recognized and negotiated with customers to completely define an EMC program?
- How do I select and work with EMC design consultants in a cost effective manner?
- How do I negotiate the EMC test “mine field” and minimize the potentially very large costs?

Class schedule:

8:30 - 9:30 a.m.	Session 1
9:30 - 9:45 a.m.	Break
9:45 - 10:45 a.m.	Session 2
10:45 - 11:00 a.m.	Break
11:00 - Noon	Session 3
Noon - 1:00 p.m.	Lunch (provided)
1:00 - 2:00 p.m.	Session 4
2:00 - 2:15 p.m.	Break
3:15 - 4:15 p.m.	Final session

For more information:

Sharon Charles (815) 921-2071

email: s.charles@rockvalleycollege.edu

Curt has a BS degree in electrical engineering from the University of Illinois at Urbana-Champaign. He also has an MBA from Northern Illinois University.

His primary interest has been designing EMC into products from program inception to minimize costs and program delays. He has created numerous software tools to help in achieving this goal in a cost-effective manner.



Class instructor:

Curtis White held many EMC positions at Hamilton Sundstrand during a career spanning over 40 years. These positions have included EMC Department Manager and EMC Advisory Engineer. He is also a longtime member of the dB Society, one of the most exclusive international EMC organizations.

He has been awarded several EMC related patents to date and presented at an IEEE EMC symposium. He was also awarded an IEEE Centennial Award for engineering excellence.

Electromagnetic Compatibility Registration Form

(Optional) SS#: _____

Name: _____
Last First Middle Previous Name

Address: _____
Number Street City State

Zip Code County Date of Birth

Phone: _____
Home Business

Citizen of what country: _____

Admission Status: 1st time Readmit Transfer
Gender: Male Female

Ethnic description:
 Asian Black Hispanic
 American Indian White Non-resident alien

High school attended: _____
City/State

Date of H.S. graduation or G.E.D.: _____

Highest degree earned: Certificate Associate Bachelors Masters Doctorate 1st Prof. degree
Veteran Status: Yes No

I certify that I can verify the above information is correct.

Signature _____

LUNCH: (choose one)
 Regular box lunch Vegetarian lunch Dietary needs

COST: \$175 per person

PAYMENT OPTIONS:

Check enclosed (payable to **Rock Valley College**)

Credit Card: Visa MC Discover

Card No.: _____

Exp. Date: Month _____ Year _____

Signature: _____

Fax with credit card payment: (815) 921-2079

Please invoice my company:

Company Name: _____

Address: _____

Attn: _____

MAIL REGISTRATION FORM AND PAYMENT TO:

Business and Professional Institute

Rock Valley College

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