



Global EMC University Repeats at EMC 2008

By Flavio Canavero, Global EMC University Program Chair

After the success of the first Global University (GU) which debuted in Hawaii as part of the 2007 IEEE International Symposium on Electromagnetic Compatibility, a new edition was held in Detroit in conjunction with the 2008 Symposium. It was organized and chaired by Flavio Canavero of The Politecnico di Torino; Todd Hubing of Clemson University was the vice-chair.

Ten renowned instructors from universities around the world gave extended presentations and provided in-depth education on their respective areas of expertise. The GU met half day from Monday, August 18 through Thursday, August 21, with a full day on Tuesday.

The speakers (in alphabetical order), their affiliations and their topics were:

- Christos Christopoulos, University of Nottingham, "Shielding"
- James Drewniak, Missouri University of Science and Technology, "Transmission Lines: Time-Domain and Signal Integrity"
- Todd Hubing, Clemson University, "Overview of Numerical Methods"
- Marco Leone, Magdeburg University, "Transmission Lines: Frequency-Domain and Crosstalk"
- Andy Marvin, The University of York, "Antennas and Radiation EMC Standards"
- Clayton Paul, Mercer University, "Use of PSPICE in Solving EMC Problems"
- Kye Yak See, Nanyang Technical University, "PCB Layout and System Configuration for EMC"
- Mark Steffka, The University of Michigan (Dearborn),

"Conducted Emission and Power Supply Filters"

A distinctive element of GU is that it is the only event of the IEEE EMC symposium allowed to assign Continuing Education Units (CEUs) to the attendees.

A total of 42 symposium participants signed up for the GU. Most participants were new to the field of EMC, but several experienced EMC veterans also registered for the classes in order to brush up on their fundamentals and to be introduced to some of the newer EMC tools and techniques. The various industries employing the 2008 GU participants are illustrated in Fig. 1.

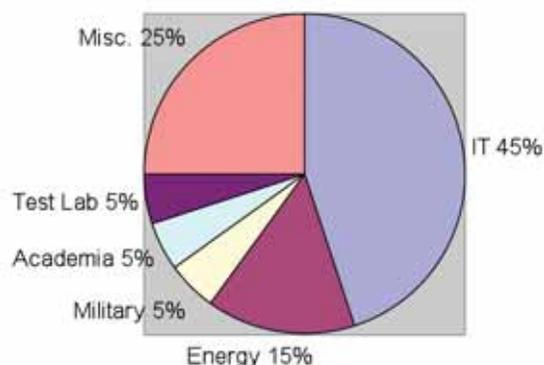
According to the student satisfaction survey, participants felt that the time they invested in GU classes was well spent. The following table shows the results of the customer satisfaction for the two editions of the GU.

	2007	2008
1. Did this course achieve the educational objectives, as stated in the promotional material?	96% YES	96% YES
2. Did this course meet with your expectations?	90% YES	94% YES*
3. Was the classroom environment conducive to learning?	96% YES	94% YES
4. Were the instructional methods effective?	94% YES	100% YES

*Three persons said "exceeded" their expectations.

Encouraged by these results, the GU will be held next year, under the chairmanship of Professor Todd Hubing. After all, no where else may one obtain this quality of EMC education from professors all over the world in one place at one time!

Fig. 1 - Field of Activity of Global EMC University Attendees



Save the Date!
Global EMC University
Offered in 2009

The Global EMC University will be offered again over August 17 - 20 at the 2009 IEEE International Symposium on EMC in Austin, Texas. The Chair is Professor Todd Hubing of Clemson University. Participants are encouraged to register early, because enrollment is limited.

The Global EMC University is 20 hours of instruction on basic EMC-related topics that is run in parallel with the traditional technical sessions at the annual IEEE EMC Symposium. Classes are taught by an international panel of educators, who are selected for this program based on their reputation for excellence in areas of practical importance to EMC engineers and their demonstrated ability to communicate effectively with students who are new to the field.

Continuing Education Units (CEUs) are awarded to the students who successfully complete the course.



Several members of the 2008 Global EMC University graduating class are shown with the instructors following the Awards Luncheon.



Professor Todd Hubing answers questions from students following his presentation on Numerical Methods. Professor Hubing will chair the 2009 Global EMC University in Austin.



Professor Clayton Paul (left) enjoys a lighter moment with student Ken Renda of Lockheed Martin.



Instructors at the 2008 Global EMC University included (from left front row) Marco Leon, Clayton Paul, Flavio Canavero - GU Program Chair; Todd Hubing, (back row from left) Jim Drewniak, Kye Yak See, Andy Marvin and Mark Steffka. Janet O'Neil (on far right) co-founded the GU program in 2007 with Clayton Paul. (Not pictured: Christos Christopoulos)



Professor Flavio Canavero welcomes students to the opening of the 2008 Global EMC University.