



Global EMC University Debuts at EMC 2007

By Clayton Paul, Co-Chair of the Global EMC University

The first Global University (GU) debuted in Hawaii as part of the 2007 IEEE International Symposium on Electromagnetic Compatibility. It was organized and co-chaired by Clayton Paul of Mercer University and Flavio Canavero of The Politecnico di Torino. For the first time at an IEEE EMC symposium, Continuing Education Units (CEUs) were assigned to a technical session.

A total of 59 symposium attendees signed up for the GU. Ten instructors from universities around the world each gave two-hour lectures from Monday, July 9 through Thursday, July 12. The GU met all day on Monday and in the mornings on Tuesday, Wednesday and Thursday. The extended presentation format allowed the speakers to provide in depth education on their respective areas of expertise.

The speakers, their affiliations and their topics were:

- Clayton Paul, Mercer University, "Use of PSPICE in Solving EMC Problems"
- Flavio Canavero, The Politecnico di Torino, "Signal Spectra"
- Todd Hubing, Clemson University, "Nonideal Behavior of Components"
- Mark Steffka, The University of Michigan (Dearborn),

- "Conducted Emission and Power Supply Filters"
- Andy Marvin, The University of York, "Antennas"
- Tom Jerse, The Citadel, "Radiated Emissions"
- Christos Christopoulos, University of Nottingham, "Shielding"
- James Drewniak, The University of Missouri (Rolla), "Transmission Lines and Signal Integrity"
- Antonio Orlandi, The University of L'Aquila, "Crosstalk"
- Kye Yak See, Nanyang Technical University, "PCB Layout and System Configuration for EMC"

The presenters engaged the students in a considerable amount of question and discussion during their lectures. By popular demand, Clayton Paul gave two "after hours" additional tutorials on PSPICE Tuesday and Wednesday afternoons. According to the student satisfaction survey that was completed by the students, the GU was a useful event for them. The majority of the students said that they would sign up for the GU if it were offered again at other symposia; after all, no where else could one obtain this quality of education from professors all over the world in one place at one time! EMC



Professor Clayton Paul (far left) opens the Global EMC University dedicated course held during EMC 2007 in Hawaii to a full house of attentive students.



Professor Flavio Canavero co-chaired the Global EMC University course with Professor Paul. As shown, he also provided one of the ten extended presentations offered as part of the course.



EMC Society President Andy Drozd (right) presented Clayton Paul with an award to recognize his efforts in creating the Global EMC University.



Instructors of the Global EMC University are shown with the first graduating class, including Professors (seated from left) Mark Steffka, Kye Yak See, Flavio Canavero, Clayton Paul, Andy Marvin, Christos Christopoulos, Antonio Orlandi, Tom Jerse and Todd Hubing. While the instructors represented global universities, the students did as well, some coming from as far away as Argentina to attend the inaugural course.