

November 2011 Meeting Report of the IEEE EMCS Chapter, Pittsburgh Section, Region 2

A technical meeting of the IEEE Pittsburgh EMC Society Chapter was conducted on November 21, 2011 at the Westinghouse headquarters in Cranberry, PA. Michael Oliver, IEEE EMCS Chapter Chairman and Harry Godluski IEEE EMCS Chapter Vice Chairman hosted the technical meeting with 18 people in attendance. The meeting started with a dinner at 6:30 pm prior to technical presentations at 7:00 pm and 9:00 pm. We had the privilege of having Mr. Elya Joffe as our technical speaker; Elya is the Past President of the IEEE EMC Society.

7:00pm

"How to Fail EMC in 10 Easy Lessons":

"Leaving things to themselves, things will always go from bad to worse... " (Murphy's Law). As we all know, Murphy was the patron saint of EMC Engineers, and as such in EMC design, success is not guaranteed - only failure. This presentation addresses common sources of failure in EMC designs using a somewhat humorist approach, but properly addressing the causes, lessons learnt and - just in case you do not really want to fail - how to ensure success. The "top 10" are brought from various aspects of circuit, equipment and system design".

9:00pm

"Ethical Challenges in the Engineering Profession":

"Each and everyone of us is faced by ethics conflicts on a daily basis, often - without even being aware of it. This presentation addresses the concept of ethics and conduct, with special emphasis on ethics in the engineering profession. The need for codes of ethics and the content of the IEEE code of ethics are discussed in detail. The presentation also includes relevant engineering case studies."

About the presenter:



Elya Joffe has been with K.T.M. Project Engineering, an engineering consulting company in Israel, since 1987. He currently holds a position of the V.P. of Engineering and works as a Senior EMC engineering Specialist and consultant.

Mr Joffe has over 20 years of experience in government and industry, in EMC/E3, Electromagnetic Compatibility/Electromagnetic Environmental Effects, for electronic systems and platforms, in particular aircraft and aerospace. He is actively involved in the EMC design of commercial and defense systems, from circuits to full platforms. His work covers various fields in the discipline of EMC, such as NEMP and Lightning Protection design, as well as numerical modeling for solution of EMC Problems.

Mr. Joffe has authored and co-authored over 30 papers in the IEEE Transactions on EMC and Broadcasting, as well as in the proceedings of International EMC Symposia. He is also the lead author of the book "The Grounds for Grounding" to be published by IEEE Press and John E. Wiley and Sons. He is a Senior Member of IEEE, President of the IEEE EMC Society and member of the IEEE EMC Board of Directors. He is also the Past Chairman of the Israel IEEE EMC Chapter and has served as a "Distinguished Lecturer" of the IEEE EMC Society.

Mr. Joffe has received several awards and recognitions from the IEEE and EMC Society for his activities. He is a recipient of the prestigious IEEE "Larry K. Wilson" Transnational Award,, 2005, the "Lawrence G. Cumming Award for Outstanding service" of the IEEE EMC Society, 2002, the "Honorary Life Member Award" of the IEEE EMC Society, 2004, as well as the IEEE EMC Society "Technical Achievement Award". He is also recipient of the "Third Millennium Medal".

Mr Joffe is an iNARTE certified EMC and ESD Control Engineer and a member of the "dB Society".



Pittsburgh IEEE EMCS Chapter Technical Meeting on November 21, 2011



Good Food



**A Well Deserved Plaque Presented to
Elya Joffe**

**ON BEHALF OF ALL OF US IN
PITTSBURGH PA...**

**“THANK YOU ELYA FOR YOUR
CONTRIBUTION TO OUR EMCS
PITTSBURGH CHAPTER”**