Università degli Studi dell'Aquila

Dipartimento di Ingegneria Industriale e dell'Informazione e di Economia

IEEE EMC Society
Distinguished Lecturer Program

AVVISO DI SEMINARIO

Martedì 9 Dicembre 2014, ore 12:00-13:30, aula I.7

Vignesh Rajamani

Oklahoma State University, USA

A practitioners approach to EMC testing with reverberation chambers

This talk discusses the efficiency of reverberation chambers to perform emissions and immunity tests. The statistically isotropic, randomly polarized, and uniform electromagnetic environment present inside a well stirred reverberation chamber enables a robust, all aspect angle test. The controllable uncertainty of a reverberation chamber test method provides the test engineer options to design a test depending on whether the test is a simple product qualification test or a mission critical system test.

Per informazioni contattare:

Prof. Giulio Antonini

Il Direttore del Dipartimento di Ingegneria Industriale e dell'Informazione e di Economia (DIIIE)

Prof. Francesco Parasiliti Collazzo

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Vignesh Rajamani Biography

Dr. Vignesh Rajamani received his Ph. D. degree in Electrical Engineering with emphasis on Statistical Electromagnetics at Oklahoma State University in 2010. He obtained his M.S. degree in electrical engineering with emphasis on computational Electromagnetics from Oklahoma State University, Stillwater, in 2004 and B.E. degree in Electronics and Communication engineering from the University of Madras, Chennai, India, in 2002. From 2003-2010, he worked as a Research Assistant at the REFTAS Lab, Oklahoma State University. His research focuses on statistical electromagnetics, antenna engineering, RFID, reverberation chamber operations, validation, and optimization techniques.

He was also involved in building the reverberation chamber at Oklahoma State University and his current research focuses estimating probability of failure of electronic systems due to electromagnetic interference and compatibility. He is an active member of IEEE EMC Society and involved with several technical committees and educational activities through EMC Society and Oklahoma State University. He is a member of Eta Kappa Nu, Phi Kappa Phi and Golden Key and a Senior member of IEEE. He is one of the distinguished lecturers for the IEEE EMC Society for term 2013-2014. He has been elected as the VP for Member Services for the EMC Society for term 2015-2016.

Dr. Vignesh Rajamani is the instructor of record for the Design of Engineering Systems – Electrical and Computer Engineering Capstone Design course and Introduction to Electrical Science - Sophomore level electric circuits class at Oklahoma State University.