

特別講演のご案内

日時: 平成25年12月13日(金) 13:00~14:30

場所: 情報工学部 大学院セミナー室 7F

講師: Dr. Etienne Sicard

Professor of Electrical and Computer Engineering
INSA Toulouse & University of Toulouse, France

講演題目:

3D Integrated Circuits – Impact on Electromagnetic Compatibility

In this talk, we introduce the revolutionary 3D-IC technology and various design options through a set of case studies. Models for through-silicon vias are briefly described. We discuss signal integrity benefits, emission and immunity improvements, and review measurement methods applicable to 3D-ICs, as well as design guidelines based on recent scientific publications.

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講師プロフィール

Dr. Etienne Sicard



Etienne SICARD was born in Paris, June 1961. He received the B.S degree in 1984 and the PhD in Electrical Engineering from the University Paul Sabatier of Toulouse, in 1987, in the laboratory LAAS of Toulouse. He also studied violin at Toulouse conservatoire and a the "Ecole Normale" of Music, Paris. He was granted a Monbusho scholarship and stayed 18 months at Osaka University, Japan (1988-1989). Previously a professor of electronics in the Department of Physics, University of Balearic Islands, SPAIN (1990), Etienne SICARD is currently a professor at INSA of Toulouse, Department of Electrical and Computer Engineering. He was a visiting professor at the electronic department of Carleton University, Ottawa, in 2004. His research interest concern electromagnetic compatibility of integrated circuits, in partnership with industries, withing the frame of National and European projects. *He also conducts research in signal processing applied to speech therapy at Lurco laboratory. In 2007, Etienne was nominated for 6 years deputy-director of international relations INSA. In 2009, he organized the workshop EMC Compo 2009. He coordinated the PhD commission at GEET doctoral college from 2004 to 2010. He is an EMC expert in EMC-IC modeling for EADS Innovation Works and participates to the Aerospace Valley research projects EPEA and SEISME.*

Etienne SICARD is the author of books and several software in the field of microelectronics (Microwind, IC-EMC), signal processing (MentorDSP), speech therapy (Vocalab, Diadolab) as well as technical papers concerning electromagnetic compatibility & design of CMOS integrated circuits. He is a member of French SEE and senior member of the IEEE EMC society. He was elected for 2006-2007 distinguished IEEE lecturer for EMC of ICs.