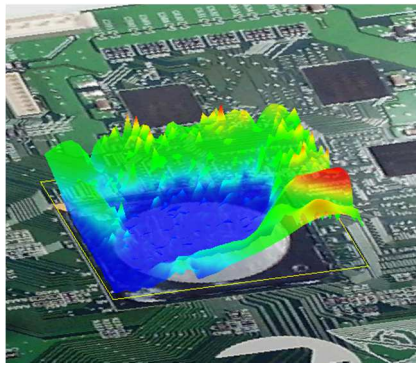


A One-Week Training in Electromagnetic Compatibility of Integrated Circuits

Sept 10-14, 2018



A unique practical course to take part to a global integrated circuit emission and susceptibility reduction strategy

Audience

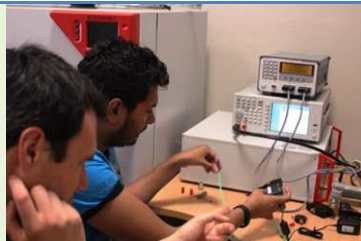
EMC engineers, IC users, IC designers, PhD students in electronics, researchers in electronics



Description of the Course

A quality-labeled **five-day course** focused on electromagnetic compatibility of integrated circuits is proposed by INSA Toulouse, France:

- **Basic concepts:** trends, influence on IC technology on EMC, specific units, impedance, margins, etc.
- **Parasitic emission**, with focus on IEC 61967 measurement methods
- **Susceptibility**, with focus on IEC 62132 measurement methods
- **Modeling** for predicting EMC (IEC 62433), based on standards such as IBIS, ICEM and ICIM
- **EMC guidelines** for improved emission and immunity to interference.



Practical sessions

Afternoons are dedicated to **practical sessions** including an access to the EMC laboratory of INSA Toulouse, for hands-on experiments of IC emission and immunity characterization.

Illustrations of all concepts are made using IC-EMC www.ic-emc.org, freeware including unique features and tools for efficient EMC simulations of integrated circuits.

Lecturers



Etienne SICARD
Professor at INSA
IEEE EMC Society Distinguished
Lecturer
<http://www.etienne-sicard.fr>
Etienne.sicard@insa-toulouse.fr



Alexandre BOYER
Senior lecturer
LAAS/CNRS
<http://www.alexandre-boyer.fr>
alexandre.boyer@insa-toulouse.fr

More information: www.ic-emc.org > Trainings
Registration fee: **free** for Erasmus+ Knowledge Alliance partners
Contact for registration: obernad@insa-toulouse.fr

INSA TOULOUSE

135, avenue de Rangueil
31 077 Toulouse cedex 4 FRANCE
Tél.+ 33 (0)5 61 55 95 13 - Fax + 33 (0)5 61 55 95 00
www.insa-toulouse.fr