

## **Current and emerging EMC activities at THALES (& University of Twente)**

**Speaker: Prof. Dr. Frank Leferink**

### **Abstract:**

This presentation will be about Electromagnetic Compatibility issues within the THALES group, and studies carried out within THALES Nederland and the University of Twente.

After a short introduction on the collaboration, via the Network of Excellence on EMC, within THALES the speaker will continue with some actual EMC cases, such as the use of an integrated EM workbench for platform and system level design, EMI in electrical drive system and in-situ testing using reverberation chambers.

Research studies performed recently, as well as ongoing studies, will be briefly introduced.

The Prediction of Electromagnetic Fields (PEM) project, funded by the European Commission via the Marie Curie Action, will be presented. PEM is carried out by Politecnico, universities of Nottingham and Split, and THALES Nederland, and is about modelling of EM fields inside semi-reverberant enclosures (car, office, cabin plane etc.) The presentation will finish with an outlook on emerging issues and associated EMC activities.