

**CST Workshop on Advanced Antenna System Simulation with CST MICROWAVE STUDIO®
2014**

Workshop Room: Europe 2
Date: Thursday 10 April
Time: 16:40 – 17:40

Simulation is well established as an essential part of the design of modern antenna systems. With its "Complete Technology" and "System Assembly and Modeling" approaches, CST offers state-of-the-art technology to simulate not only the electromagnetic properties, but also the full circuit and system behavior with incomparable speed and flexibility.

This workshop will consist of various application examples and live demonstrations. All aspects of the antenna design workflow will be discussed, from making the right choice of antenna type and its initial dimensioning, through choosing the optimal solver technology, to optimizing the antenna performance for a specific application. The design of feeding and matching circuits will be discussed, along with multiphysics effects, human exposure to fields, and finally the antenna placement in its environment. The range of antennas demonstrated will include small antennas as used in mobile communication (also in MIMO configuration), reconfigurable and conformal body wearable types, UWB, reflector antennas, and array antennas both large and small.