

Curso Breve

Segunda-feira, 22 de Março de 2010, 10h00
Sala de Reuniões, 9º piso, Torre Norte, IST, Lisboa

Introduction to antenna and near-field simulation in CST Microwave Studio® software

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ABSTRACT

CST Microwave Studio® is a specialist tool for the 3D electromagnetic simulation of high frequency components. Applications include typical microwave and radiofrequency devices like in mobile communication or wireless design. CST can also be used to evaluate electromagnetic compatibility (EMC), electromagnetic interference (EMI) or specific absorption rate (SAR). This training course is focused on modelling and transient solver overview, and concentrates on antenna simulation and near-field determination. The main topic will be: Basic and advanced parametric modelling; Transient solver overview and help overview; Antenna simulations including detailed near- and far-field post processing; CAD import and export.

BIO

Jorge R. Costa was born in Lisbon, Portugal, in 1974. He received the Licenciado and PhD degrees in Electrical and Computer Engineering from the Instituto Superior Técnico (IST), Technical University of Lisbon, Lisbon, Portugal, in 1997 and 2002, respectively. He is currently a Researcher at the Instituto de Telecomunicações, Lisbon, Portugal. He is also an Assistant Professor at the Departamento de Ciências e Tecnologias da Informação, Instituto Superior de Ciências do Trabalho e da Empresa. His present research interests include lenses, reconfigurable antennas, MEMS switches, UWB, MIMO and RFID antennas. He is the co-author of two patent applications and more than 50 contributions to peer reviewed journals and international conference proceedings. More than ten of those papers have appeared in IEEE Journals. He is a senior member of IEEE.