

PHD COURSE:

Analysis and Modeling of Antenna Arrays - Mutual Coupling Analysis

- Speaker:** Prof. Christophe Craeye
*(Université catholique de Louvain, Louvain-la -Neuve,
Belgium)*
- Dates:** 19-20-21-22 June 2012
- Location:** ICT International Doctoral School, University of Trento
- Duration:** 20 Hours
- Note:** The lessons will be held in English
- Contact:** Prof. Andrea Massa (andrea.massa@ing.unitn.it)



The course is aimed at the presentation of the methods adopted for antenna modeling and analysis to be used in the design and study of modern antenna systems

• About the Speaker

Christophe Craeye was born in Belgium in 1971. He received the Electrical Engineer and bachelor in Philosophy degrees in 1994, from the Université catholique de Louvain (UCL). He received the Ph.D. degree in Applied Sciences from the same university in 1998. From 1994 to 1999, he was a teaching assistant at UCL and carried out research on the radar signature of the sea surface perturbed by rain, in collaboration with the Rain-sea interaction facility of NASA, Wallops Island (VA).

From 1999 to 2001, C. Craeye stayed as a post-doc researcher at the Eindhoven University of Technology (<http://w3.ele.tue.nl/en/tte>), The Netherlands. His research there has been carried out in the framework of the Square Kilometer Array (<http://www.skatelescope.org/>) radio telescope project, and consisted of studying a technology based on phased-arrays traditionally used for broadband radar applications. In this framework, he also stayed at the University of Massachusetts (<http://www.ecs.umass.edu/ece/labs/antlab/APLab/index.html>) in the Fall of 1999, and worked with the Netherlands Institute for Research in Astronomy (<http://www.astron.nl/>) in 2001.

Since 2002, C. Craeye is an Associate Professor (Chargé de Cours) at the Université catholique de Louvain. His research interests are finite antenna arrays, multiple antenna systems and numerical methods for fields in periodic media. C. Craeye participates to the COST284. Action on innovative antennas, to the COST297. Action on high-altitude platforms and to the Metamorphose. Network of Excellence on metamaterials, funded by the European Commission. C. Craeye currently is an Associate Editor of the IEEE Transactions on Antennas and Propagation.