

Seminar on

Innovative materials for RF systems

by

Dr Laure Huitema

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Date : 21 February 2017 (Tuesday)
Time : 03:00 pm – 04:00 pm
Venue : Room 15-202, meeting room of State Key Laboratory of Millimeter Waves,
15/F, Lau Ming Wai Academic Building, City University of Hong Kong

Abstract

Over the last few years, wireless data traffic has drastically increased to follow the today's society which is creating, sharing and consuming information. Future emerging wireless systems will require low power consumption, high security level and high integrative devices. This conference will focus on new devices integrating innovative and functional materials to meet these future requirements. In this framework, we will see the ceramic-based design of wideband and multiband passive antennas, the co-development of an antenna and a filter to increase the efficiency of devices and highly reconfigurable antennas using intelligent and functional materials.

Biography

Laure Huitema received the M.S. and Ph.D. degrees in telecommunications high frequencies and optics from Limoges University, Limoges, France, in 2008 and 2011, respectively. From 2011 to 2012, she was a Postdoctoral Research Fellow at the Atomic Energy Commission (CEA), Laboratory of Electronics and Information Technology (LETI), Grenoble, France. She is currently an Associate Professor in the OSA (Wireless Communications and Effect of EM Wave) Department, XLIM Research Institute, Grenoble, France. Her research interests include active antennas, dielectric resonator antennas and also multiband antennas. Dr. Huitema won the best student paper award at the 2010 IEEE International Workshop on Antenna Technology (iWAT 2010) and the best student paper award at the 2010 Journées de Caractérisation Microondes et Matériaux (JCMM 2010).

*** ALL ARE WELCOME ***

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