

Seminar on

Research Activities at UCA CNRS LEAT

By

Prof Christian Pichot

Université Côte d'Azur, CNRS, LEAT, France

Date : 13 December 2016 (Tuesday)
Time : 11:00 am – 12:00 noon
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

The Electronics, Antennas and Telecommunications Laboratory (LEAT) is a joint Research laboratory supported by Université Côte d'Azur, France and the CNRS (French National Center for Scientific Research), located on the French Riviera (South East of France) in the science Park of Sophia Antipolis, near Nice.

The main research areas concern metrology, frequency and impulse measurement techniques, reflector antennas, UWB antennas and arrays, millimeter-wave antennas and millimeter-wave radar systems, subsurface radar systems and electromagnetic probing, inverse scattering, microwave and millimeter wave imaging (microwave and millimeter-wave tomography, complex permittivity reconstruction, object detection and recognition). Theoretical analysis (inverse problems), numerical (forward modeling, imaging and tomographic algorithms, radar data processing) and experimental aspects (hardware, design, construction and measurement of systems) for the development of detection and imaging systems, associated antenna systems with applications in radar, subsurface radar (ground penetrating radar, through-the-wall imaging), nondestructive testing (NDT), non destructive evaluation (NDE), security, defense and medical domain.

Biography

Christian Pichot is currently a Research Director at the French National Center for Scientific Research (CNRS), working at Electronics, Antennas & Telecommunications Laboratory (LEAT), joint Université Côte d'Azur and CNRS laboratory, 06900 Sophia Antipolis, France.

He received the Ph.D. and the Doctor of Science (D.Sc.) degrees from the University of Paris-Sud 11 in 1977 and 1982, respectively. In 1978, he joined the Systems and Signals Laboratory CNRS/Supélec, Gif-sur-Yvette, France, where he was Waves Division Leader from 1991 to 1992. In 1996, he joined Electronics, Antennas & Telecommunications Laboratory (LEAT), and was Director of the LEAT from 2000 to 2011. From 2008 to 2013, he was co-director of CREMANT, a joint Antenna Research Center, supported by the University of Nice-Sophia Antipolis, CNRS and France Telecom Orange Labs.

In 2006 he has been co-organizing the 1st European Conference on Antennas and Propagation (EuCAP2006). He has been the organizer of the IEEE International Conference on Antenna Measurements and Applications (IEEE CAMA). He is an IEEE Fellow for "Contributions to Microwave Imaging and Antenna Designs".

His research activities are concerned with scattering and propagation of Electromagnetic Waves, radiation of antennas, inverse scattering (Microwave Imaging and Tomography, Antenna Synthesis, Complex Permittivity Reconstruction, Object Detection and Recognition) for applications in Radar, Civil engineering, non-destructive evaluation (NDE), non-destructive testing (NDT), geophysics, security and military applications, antennas, telecommunications, and medical domain.

*** ALL ARE WELCOME ***

Enquiries:

Professor Kwok Wa Leung, Department of Electronic Engineering
Tel.: (852) 3442 9659 Fax: (852) 3442 0562 Email: ekleung@cityu.edu.hk