



Title:

Space-Time Analogy of Delay Dynamical Systems: From Neuromorphic Computing to Chimera States

Prof. Laurent Larger

UMR CNRS FEMTO-ST 6174 &
Optics Department, University of
Franche-Comté (UFC) in Besançon,
France



2013/12/04 (Wednesday) AM 10:00-11:00

國立成功大學 光電科學與工程學系

綜合大樓 48418 會議室

About the speaker:

Laurent Larger received a Master Degree in electronic engineering from the University of Paris XI, Orsay, France, in 1988, and he obtained the « Agrégation » in Physics in 1991. He received his Ph.D. degree in Optics and the Habilitation in 1997 and 2002 respectively, both from the University of Franche-Comté, Besançon, France. He became Associate Professor in 1998, at the University of Franche-Comté. He was in charge of the International Research Center GTL-CNRS Telecom, a joint laboratory between the French CNRS, Georgia Tech University, Atlanta, and the University of Franche-Comté, Besançon, from 2003 to 2005. He became a Full Professor with the University of Franche-Comté in 2005. He is involved in research with the Franche-Comté Electronique, Mécanique Thermique et Optique - Sciences et Technologies Institute, Besançon. His current research interests include the study of chaos in optical and electronic systems for secure communications, delayed nonlinear dynamics, optical telecommunication systems, high spectral purity optoelectronic oscillators, and neuromorphic photonic computing exploiting the complexity of nonlinear dynamical transients. Laurent Larger is a honorary member of the Institut Universitaire de France (he was nominated as a Junior member in 2007). Since January 2012, he is deputy Director of the FEMTO-ST Research Institute (700 people) .

Sponsored by:

Department of Photonics, NCKU

