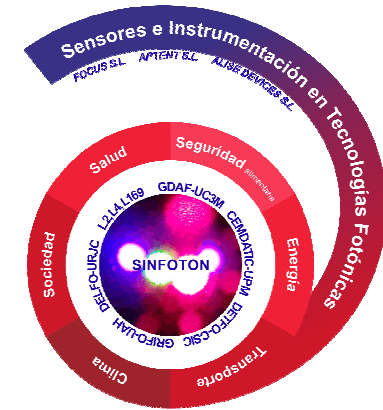




Universidad
Carlos III de Madrid



Máster Universitario en Ingeniería de Sistemas Electrónicos y Aplicaciones - MISEA

1. Virtual Photonics Instrumentation in Photonics Subsystems

Bruno Fracasso/Kevin Hegarty, *Telecom Bretagne*

11 Dic 19:30 a 21:00 12 Dic 16:00 a 19:15

2. Scientific & Technical English

Kevin Hegarty, *Telecom Bretagne* 12 Dic 19:30 a 21:00

Necesario inscripción
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Antes 9 diciembre

- ⑩ **Summary:** Optical transmission and networking basics will be given along with some optical link simulations. A commercial software Virtual Photonics Instrumentation Transmission Maker will be used on the lab sessions to model those optical networks.
- ⑩ **Short CV: Bruno Fracasso** is a Professor at Telecom Bretagne (French Mines-Telecom Institute). For more than 15years, his research activities have been focused on holographic interconnects, liquid crystal elements and optical space-switching for fiber networks. He has been involved in many national and international research projects involving both academic and industrial partners. More recently, he concentrated on optical wireless communications for high-speed in-house and access networks. He is member of the management committee of the Opticwise IC1101 european COST project (2011–2015).
- ⑩ **Kevin Heggarty** was born in Salisbury, Rhodesia (Zimbabwe) in 1964. He grew up and studied in the United Kingdom, obtaining his BA in Natural Sciences (Physics) from Cambridge University in 1987, his MSc in Telecommunications Engineering (Essex University) in 1988 and his doctorate from the Ecole Nationale Supérieure des Télécommunications de Paris in 1991. After teaching in Africa for a year he was successively postdoc, research engineer and lecturer at Telecom Bretagne in Brest, France, where he is now full professor in the Optics department. His research interests are the design, fabrication and applications of diffractive optical elements and spatial light modulators. He has published over 60 patents, journal and conference publications, participated and run 6 EU projects and numerous national, regional and industrial contracts. In 2002 he was on sabbatical leave as an invited researcher at the University of Edinburgh and CRLOpto Ltd in Scotland. He co-founded the start-up company Holotetrix in 2007.