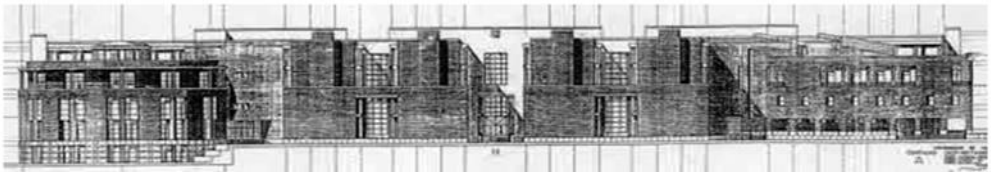
Departamento de Electrónica
Programa de Posgrado



Mención Hacia la Excelencia (MEE -20110165)

CICLO CONFERENCIAS Y SEMINARIOS

CURSO ACADÉMICO 2014-15

Dr. Marcelo Soto

EPFL, Suiza

24 de abril de 2015

Hora: 11:00 a 13:00 h

Optical pulse coding for long-range distributed optical fiber sensors.

After more than two decades of intense research and industrial development, distributed optical fiber sensing have demonstrated to be an effective and powerful tool for strain and temperature measurements in a wide range of applications. Among several advanced methods, the use of pulse coding has shown to be a cost-effective solution to improve the performance of distributed optical fiber sensors. In this seminar advanced optical pulse coding methods to enhance the performance of long-range Raman and Brillouin distributed fiber sensors will be reviewed. Although the operating principle of the method is the same for both kinds of sensors, specific implementations will be described to overcome practical and physical limitations and to take advantage of the specificities of each scattering process.

UAH

Lugar de celebración: Sala reuniones 1 Dpto Electrónica.

DEPARTAMENTO DE ELECTRÓNICA

Incluida en la oferta de bonocréditos.