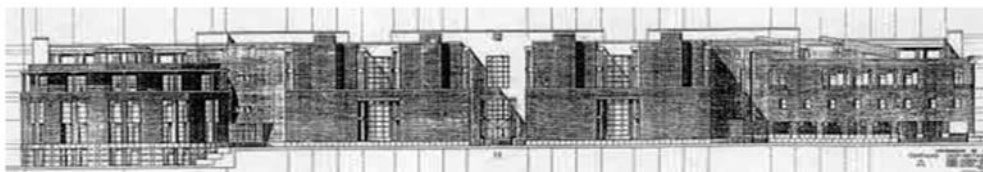




# DEPARTAMENTO DE ELECTRÓNICA PROGRAMA DE POSGRADO



**Mención Hacia la Excelencia (MEE -20110165)**

## **CICLO CONFERENCIAS Y SEMINARIOS** CURSO ACADÉMICO 2016-17

### **D. David Salido Monzú**

*Institut of Geodesy and Photogrammetry ETH Zürich*

**31 de marzo de 2017**

Hora: 10:00 a 12:00 h

### "Multiwavelength distance measurement using ultrashort pulse lasers"

Mode-locked femtosecond lasers are emerging as a promising alternative to improve the accuracy of electro-optical distance measurement and laser scanning. In addition to reducing instrumental errors from standard approaches, their spectral properties enable accurate multiwavelength measurements. Prospective instruments based on these sources could deliver refractivity-compensated estimations and color-dependent depth-maps. The application of fs-lasers to long-distance measurement and our first steps towards a multiwavelength implementation using a 500 nm supercontinuum will be presented.

**Lugar de celebración: Sala de Grados EPS**

**DEPARTAMENTO DE ELECTRÓNICA**

Incluida en la oferta de bonocréditos.