



**SEMINARIO DE IMÁGENES Y VISIÓN**  
**INSTITUTO DE OPTICA (CSIC)**

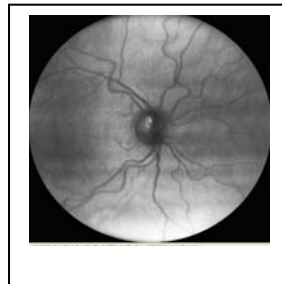


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**Laser Scanning Digital Camera and Applications**

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**ABSTRACT**

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The Laser Scanning Digital Camera is a core technology that provides confocal imaging with slit scanning illumination and a 2D detector. A flexible electronic aperture is provided by synchronizing the scanned slit and the read-out on the detector, without the use of additional parts. This may be used to provide confocal retinal imaging for screening for diabetic retinopathy, multiply scattered light imaging, confocal microscopy, and spectroscopy for reflected or fluorescent applications. The use of low cost illumination and detection components, and the simplified design, allows low cost biomedical imaging applications.

**Viernes, 18 Septiembre 2009**

**12:30 horas**

**Sala Juntas. Serrano 113 bis, Madrid**

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**Información:**

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