



Workshop: Understanding materials structure and performance by Raman Confocal Microscopy

April 26th-27th-28th, 2017 in Madrid

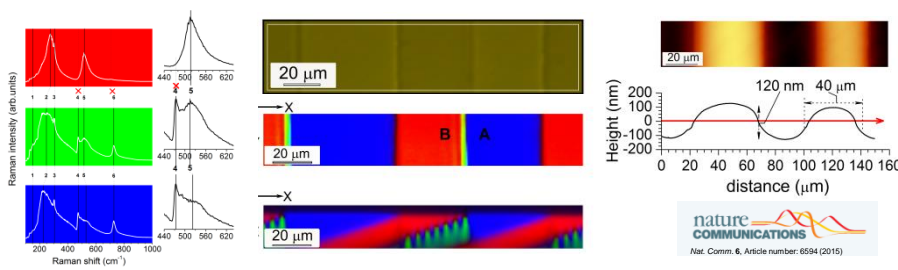
The workshop will be focused on the potential of Confocal Raman and Scanning Probe Microscopy as a powerful technique for the characterization of materials. This technique combines in one instrument the high spatial resolution microscopy with chemical sensitive spectroscopy and allows detailed and non-destructive characterization of heterogeneous samples. The invited speakers will give an overview of the fundamental aspects of the technique and the fields of applications. Areas of research interest for Confocal Raman Imaging and Scanning Probe Microscopy include materials science, geology, life science, pharmaceuticals and cosmetics, and in all these areas a deep analysis on the topography and chemical distribution is essential. Speakers from universities and research institutions of different research fields will present their most recent scientific work using Confocal Raman imaging

and Scanning Probe microscopy. The workshop will include a poster session and an equipment demonstration which will provide a detailed introduction to the operational principles and instrumental configurations to Confocal Raman and Scanning Probe Microscopy.

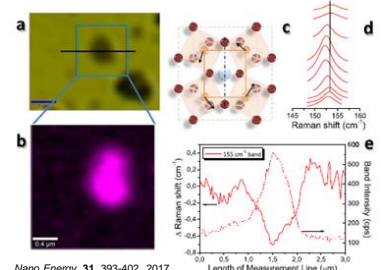
The language of the workshop will be Spanish. The workshop is free of charge but **it requires registration** due to limited availability of places. **3 prizes will be awarded to the best oral presentations and 3 prizes to the best posters.** In order to register, please send your name and contact information electronically to:

workshop.raman2017@icv.csic.es.

To submit abstracts, please use the abstract template attached. **Abstract Deadline March 31**, 2017. Venue: Instituto de Cerámica y Vidrio (ICV-CSIC), c/Kelsen 5, Cantoblanco, Madrid.



Domain structure of the BTO single crystal through confocal Raman microscopy and AFM



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