

# **Bio-based material characterisation from full- field measurements**



# Bio-based material characterisation from full-field measurements

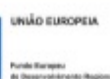
Workshop, UTAD, Vila Real, 9 July 2013

Local: Auditório da Biblioteca Central

## PROGRAM

9:00 – 9:15	Workshop opening (J. Xavier and J. Morais)
9:15 – 10:00	<b>A new concept for high strain rate testing of materials based on the use of inertial forces</b> Fabrice Pierron, University of Southampton, UK
10:00 – 10:30	<b>Damage characterisation from Interferometric techniques</b> Hernani Lopes, Instituto Politécnico de Bragança, P
10:30 – 11:00	<b>Identification of stiffness components of recycled MDF panels from full-field curvature measurements</b> José Xavier, CITAB/University of Trás-os-Montes e Alto Douro, P
11:00 – 11:15	Coffee break
11:15 – 11:45	<b>Characteristics of fibre-reinforced cork-polymer composites and prediction of tensile failure using the Weibull distribution</b> Emanuel Fernandes, University of Minho, 3B's Research Group, P
11:45 – 12:15	<b>A mechanical analysis of biodegradable nanocomposites for ACL replacement by feature tracking</b> Rui Guedes, INEGI, University of Porto, P
12:15 – 14:00	Lunch (restaurant Panorâmico at UTAD)
14:00 – 14:30	<b>A test method for characterizing clear wood using a single specimen</b> A. Majano-Majano, José F.-Cabo, Technical University of Madrid, S
14:30 – 15:00	<b>Identification of cohesive laws in mode I and mode II loading</b> Marcelo Moura, FEUP/University of Porto, P
15:00 – 15:30	<b>Fracture characterisation based on SEN-TPB test</b> Nuno Dourado, CITAB/University of Trás-os-Montes e Alto Douro, P
15:30 – 16:00	<b>Characterization of steel grade under ultra low cycle fatigue loading from digital image correlation</b> Abílio Jesus, CITAB/University of Trás-os-Montes e Alto Douro, P
16:00 – 16:30	Closure debate

utad



A workshop on “Bio-based material characterisation from full-field measurements” will be held at UTAD on 9th July 2013

(<http://home.utad.pt/~jmcx/Workshop2013-2Bfield/>). The workshop will bring together experts in the field of mechanical and fracture characterisation of materials based on full-field measurements provided by optical techniques. For further details and information on registration please contact José Xavier: [jmcx@utad.pt](mailto:jmcx@utad.pt) of CITAB's Biosystems Engineering (BE)group.

[more information \(PDF\)](#)