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