



# DEMANDAS TECNOLÓGICAS

## Equipamiento (Perfilómetro mecánico, Microscopio con focal/interferométrico y FE-SEM con EDX)

Empresa andaluza del sector de los materiales para viviendas necesita contactar con un grupo de investigación o servicio que cuente con el siguiente equipamiento:

- Perfilómetro mecánico
- Microscopio con focal/interferométrico
- FE-SEM con EDX

<http://www.uco.es/webuco/otri/demanda/equipamiento-perfilometro-mecanico-microscopio-confocal-interferometrico-y-fe-sem-con-edx/>

## An energetic utilization of natural fibre composites

A research institution from Germany with focus on research and experimental development on natural sciences and engineering is investigating the energetic utilization of natural fibre composite plastics (NRC). Of special interest are residual materials that can no longer be recycled due to the necessary effort. The goal of a partnership is to develop small systems for SMEs that realize the energy recovery of plastics according to the power requirement. A research cooperation agreement is sought.

<http://www.uco.es/webuco/otri/demanda/an-energetic-utilization-of-natural-fibre-composites-2/>

## Power electronics and battery systems

An Italian SME has developed state-of-the-art engineering competence on diesel engine design with specific development of a diesel/electric hybrid powertrain for off road applications. It's searching for technical and research cooperation and manufacturing agreement with international partners, expert on the power electronics associated to the electrical portion of the hybrid powertrain, to be applied on off-road machinery.

<http://www.uco.es/webuco/otri/demanda/power-electronics-and-battery-systems/>

## 3D cell culture

A UK biomaterials SME has developed novel peptide hydrogels that can be modified to mimic different tissues and provide a cost-effective, animal free 3D matrix to support a range of cell culture applications. The company is looking for partners in the fields of

3D cell culture, assay development, cosmetic/ pharmaceutical testing, and bioprinting to build up new application case studies/assessments under Research or Technical cooperation agreements, potentially to further collaboration.

<http://www.uco.es/webuco/otri/demanda/3d-cell-culture/>

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### **Prevention and treatment of football players' injuries**

A world-famous football club in the Basque Country (Spain) is looking for a partner who can provide preventive and therapeutic technologies for football players' injuries. The requested technology should be based on a customised and customisable parameterisation of the modifiable injury risk factors and the cooperation envisaged for this open innovation call is that of a commercial agreement with technical assistance.

<http://www.uco.es/webuco/otri/demanda/prevention-and-treatment-of-football-players-injuries/>

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### **Software solutions for medical visualization and animation**

A German company specialised in the three-dimensional (3D) visualization and animation of the human anatomy and augmented and virtual reality solutions is seeking partners to develop marketable software products for medical and educational purposes. The company seeks collaborations in the frame of joint venture and research cooperation agreements.

<http://www.uco.es/webuco/otri/demanda/software-solutions-for-medical-visualization-and-animation/>