

## Press release

### Smart coatings at the nanofilms ECNF 2016 conference

- ▶▶ *The event, jointly organised by the IK4-TEKNIKER technology centre and UPV/EHU, will open today and close on the 21st of this month at the Bizkaia Aretoa Centre of the UPV/EHU (University of the Basque Country).*
- ▶▶ *Nanofilms, coatings that modify material properties, are used in strategic sectors such as the energy or automotive business.*
- ▶▶ *The aim of the fourth edition of this conference is to further the exchange of knowledge and discuss future prospects.*

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(Eibar, Basque Country. 19 October, 2016).- Nanofilms are extremely thin coatings used to modify surface properties of materials and incorporate new functions. The solutions provided are based on multiple applications that are used in sectors highly relevant for the European economy such as energy, automotion and office automation.

In order to further research actions in this field, Bilbao will host the fourth edition of [ECNF 2016](#), the European Conference on Nanofilms starting today and ending on the 21st of this month at the Bizkaia Aretoa Centre of the UPV/EHU.

The conference, jointly organised by the Basque Technology Centre [IK4-TEKNIKER](#) and the [University of the Basque Country UPV/EHU](#) will provide a forum where there will be an exchange of knowledge between scientists, research organisations and private sector stakeholders.

It also intends to strengthen ties between the different stakeholders involved in the research and development of advanced coatings in order to explore new collaboration pathways in the future.

The event will be opened today by ms. Amaia Esquisabel, Director for Scientific Policies of the Basque Government followed by a lecture from the director of the [Fraunhofer Insitute IST](#),

Wolfgham Diehl, an expert and leader of the of the world’s most outstanding research centre devoted to coatings and nanofilms.

The programme features an extensive range of papers that will address issues such as tribological coatings, processes applied to transition from nanoparticles to nanostructured coatings or new materials applicable to ion lithium batteries.

“Nanofilms can be found in our daily lives. From anti-reflex coatings for glasses to the extra-thin metal sheet coating used inside bags of chips, from photovoltaic modules that transform sunlight into electrical power to low friction components used for engine components”, says Javier Barriga, an IK4-TEKNIKER researcher, as proof of how relevant these solutions actually are.

Within the vast research experience of the organisation, IK4-TEKNIKER has been working on nanofilm characterisation since 1990. During this period, research actions have been carried out for the automotive sector and renewables and major developments have taken place in terms of absorbent solar coatings, anti-reflecting, hydrophobic or protective coatings, among other applications.

### **Concerning IK4-TEKNIKER**

With more than 30 years of experience in applied technology research that has been be transferred to companies, IK4-TEKNIKER has achieved a high degree of specialisation in four major areas (Advanced Manufacturing, Surface Engineering, Product Engineering and ICTs). This means that its cutting edge know-how has been made available to customers to meet their requirements.

### **Further information**

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