Catalysis as a cornerstone of a sustainable society

Esta actividad abierta y gratuita se enmarca en el Curso de Verano "Una universidad que mira al mar: navegando por el conocimiento en el buque escuela Saltillo".

18.Jul 2022

Cod. W07-22

Mod.:
Streaming Face-to-face

Edition
2022

Activity type
Open activity

Date
18.Jul 2022

Location
Miramar Palace

Languages
Basque Spanish

Organising Committee

Description

Matching the production of today's fuels and products to the social and environmental needs of the future.

Most of the fuels and products we produce today come from fossil sources, mostly petroleum. Finding renewable sources and more sustainable processes is vital if we are to maintain the supply of products in the future, and especially if we are to make that future greener. But what alternatives do we have? Is the technology sufficiently developed to make such a change?

As in many other fields, it has been science that has answered such questions. We can divide renewable sources into two parts: those that will be used for fuel/energy supply and those that will be used for the production of material products. Firstly, the main sources of renewable energy are found in natural resources (sun, wind, water) - did you know that the solar energy received by the Earth in a single day is consumed by the world's population for a whole year? And secondly, over the years, nature itself has given us solutions to create new biomass, in this case the possibility for plants and trees to grow constantly through photosynthesis. This would be the source of the new material that we will have to use in the future. If we know where and how the sustainable path of the future is going, let's make the most of it!

The aim of this conference is to give a brief explanation of the alternative fuels and sustainable materials that we will have in the future, with particular emphasis on the importance of catalysis. We will look at the contribution that science can make, both in developing real solutions and in proposing new ideas. If you want sustainable solutions, let's go hand in hand with catalysis!

Objectives

Hitzaldi honen helburua etorkizunean edukiko ditugun erregai alternatibo eta material sostengarrien azalpen labur bat ematea da, batez ere katalisiak duen garrantzia azpimarratuz. Zientziak eduki dezakeen ekarpena aztertuko dugu, bai soluzio errealak garatzen eta bai ideia berriak proposatzen. Soluzio sostengarriak nahi badituzu, goazen eskutik katalisiarekin!

Course specific contributors

Program

18-07-2022

10:45 - 11:00	Erregistroa / Registro
11:00 - 12:15	“Katalisia gizarte sostengarri baten giltzarri “ **Iker Aguirrezabal Telleria** | UPV/EHU - Ingeniaritza Kimikoan doktorea

Teachers

Iker Aguirrezabal Telleria

PhD in Chemical Engineering from the University of the Basque Country (2013). His main research work has focused on heterogeneous catalysis, always with the aim of searching for renewable energy and compounds. He did his grade studies at the University of the Basque Country (2006) and his Master's degree at the University of Groningen (2009, The Netherlands). In addition, after completing his PhD, he worked as a researcher at the University of California Berkeley (USA) between 2014 and 2017. After returning, he obtained a teaching position at the Faculty of Engineering in 2018. Much of this work has been published in 30 scientific articles and he has participated in more than 15 national and international projects. He has also obtained research awards in different conferences and even in research projects at European level.

Registration fees

REGISTRATION - FACE-TO-FACE	UNTIL 18-07-2022
Free registration	0 EUR

REGISTRATION - LIVE ONLINE	UNTIL 18-07-2022
Free registration	0 EUR

Place

Miramar Palace

Pº de Miraconcha nº 48. Donostia / San Sebastián

Gipuzkoa