Photo- and Electro catalysis at the Atomic Scale (PECAS2022)

20. Eka - 23. Eka

Kod. Z06-22

Edizioa
2022

Jaduera mota
Workshop

Data
20. Eka - 23. Eka

Kokalekua
Materialen Fisika Zentroa (CSIC-UPV/EHU) eta Miramar Jauregia

Hizkuntzak
Ingelera

Ballo akademikoa
40 ordu

Web
http://pecas2022.dipc.org/

ZUZENDARITZA

Sara Barja Martínez, UPV/EHU - DIPC

Antolakuntza Batzordea
Azalpena

The school on PhotoElectroCatalysis at the Atomic Scale (PECAS) is aimed at promoting various opportunities for interdisciplinary discussion of scientists and students of physics, material science, chemistry and electrochemistry in addition to presentation of new results, ideas and methods in the field of photo- and electrochemical properties of novel materials.

Topics:

- In situ and in operando electrochemistry-surface science techniques and methods
- Energy conversion from photon and chemical energy to electrical energy
- Electrocatalysts for water splitting and CO₂ reduction
- Local active sites on solid surfaces: reactivity of defects
- Chemical engineering and synthesis of photoelectrochemical systems
- Novel materials for electrochemical energy storage
- Electrochemical biosensors
- Theoretical modeling

ORGANIZING COMMITTEE:

Sara Barja (Chair) (Ikerbasque, CFM-UPV/EHU, DIPC)
Celia Rogero (CFM-CSIC-UPV/EHU, DIPC)
Ethan Crumlin (Lawrence Berkeley National Laboratory)
Martin Sterrer (University of Graz)

& Red de Excelencia CAT&SCALE:

Nuria López (ICIQ)
José Ramón Galán (ICIQ)
Sixto Gimenez (UJI)
Francisca López (ICMM)
David Écija (IMDEA Nanoscience)
Jordi Arbiol (ICN2)

Helburuak

PECAS scopes the integration of electrochemistry and surface science research areas towards the understanding of the nature of the electrode-solution interface at an atomic level. Leading experts across the different disciplines will present the latest experimental and theoretical efforts in the field of photo- and electrochemistry on surfaces, promoting in depth discussions between students and scientific community from both fields.

The seminars will be delivered at the postgraduate level in the fields of surface science and electrochemistry, but introductory lectures will be specially addressed to introduce master and graduate students from Chemistry and/or Physics in each topic covered in the school.
Ikastaroaren laguntzaile espezifikoak
Zuzendariak

Sara Barja Martínez

UPV/EHU - DIPC
Matrikula prezioak

<table>
<thead>
<tr>
<th>REGISTRATION FEES</th>
<th>2022-06-09 ARTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Invited speakers /organizers</td>
<td>0 EUR</td>
</tr>
<tr>
<td>Regular Attendant</td>
<td>300,00 EUR</td>
</tr>
</tbody>
</table>
Kokalekua

Materialen Fisika Zentroa (CSIC-UPV/EHU) eta Miramar Jauregia

Manuel Lardizabal pasealekua, 4. 20018 Donostia eta Mirakontxa pasealekua 48, 20007 Donostia

Gipuzkoa