

GROUP NAME	PI	CONTACT EMAIL	DEPARTAMENT	WEB	ENERGY STORAGE
Q-NANOFOTONIKA	Aizpurua, Francisco Javier Zabala, Miren Nerea (ColP)	aizpurua@ehu.eus nerea.zabala@ehu.eus	Electricidad y Electrónica	https://cfm.ehu.es/nanophotonics/	<ol style="list-style-type: none"> 1. Theory of Nanophotonics and Plasmonics 2. Optical response of plasmonic nanoantenna 3. Theory and development of nanoscopies with photons and electrons 4. Quantum nanophotonics; optical spectroscopies and photonic applications of nanoparticles and nanostructures at the nanoscale 5. Optoelectronics in nanosystems 6. Vibrational spectroscopies (SERS and SEIRA) 7. Topological effects in the optical response of material at the nanoscale
SUPREM	Arias Ergueta, Pedro Luis	pedroluis.arias@ehu.eus	Ingeniería Química y del Medio Ambiente	www.ehu.es/correow	<ol style="list-style-type: none"> 1. Green Hydrogen: Power to Gas (H₂, CH₄) and Power to Liquid 2. Green Hydrogen: Thermo and Photo/Electro Water Splitting
GISEL	Eguia, PabloZamora, Inmaculada	inmaculada.zamora@ehu.eus	Ingeniería Eléctrica	https://www.ehu.es/en/web/gisel	<ol style="list-style-type: none"> 1. Optimal placement of batteries in transmission and distribution networks. 2. Optimal management and operation of hybrid power plants (renewables + storage)
ELEKTRIKER	Fernández Herrero, Elvira	elvira.fernandezh@ehu.eus	Ingeniería Eléctrica	-----	<ol style="list-style-type: none"> 1. Energy community and storage capacity 2. Collective self-consumption 3. Energy community as the community's flexibility responses
Semiconductors and Electronic Design Group,	JIMENO CUESTA, JUAN CARLOS	jc.jimeno@ehu.eus	Tecnología Electrónica	https://www.ehu.es/en/web/tim/	<ol style="list-style-type: none"> 1. Silicon and tandem solar cell technology: development of technology for industrial manufacturing of solar cells. 2. Operation and maintenance of PV Plants: development of new concepts and systems for advances supervision of PV plants.
ENEDI (Energy in Buildings)	Martin Escudero, Koldobika	Koldobika.martin@ehu.eus	Ingeniería Energética	https://www.ehu.es/en/web/enedi/enedi-group	<ol style="list-style-type: none"> 1. The study and development of Thermal Energy Storage systems by means of Phase Change Materials (PCMs). We The main activities of the research team include: characterization of the thermal properties and the thermal behaviour of Phase Change Materials (PCMs); Development of new characterization methodologies, suitable to assess the behaviour of PCMs; Design, production and characterization of Thermal Storage System prototypes based on PCMs; Development of new PCMs. Characterization and assessment of their behaviour; Development of predictive tools to attain a reliable design of solutions containing PCMs. The approach to produce the tools is based on the modelling of the thermal behaviour of PCMs, and the modelling of the thermal behaviour of solutions containing Phase Change Materials.
Nanophysics Laboratory	Rogero, Celia Ortega, Enrique	celia.rogero@ehu.eus	Física Aplicada I	https://cfm.ehu.es/nanophysicslab/	<ol style="list-style-type: none"> 1. Atomic scale Gas/surface chemistry in ambient pressure conditions. "Green" surface chemistry phenomena, such as the CO₂ reduction and conversion into alcohols and fuels. Use of surface-sensitive techniques, such as Scanning Tunneling Microscopy (STM) and X-ray photoemission (XPS), to operate in ambient pressure conditions. 2. Electrocatalysis at the atomic scale: from vacuum to operando. Explore basic problems of electrocatalysis on crystal surfaces, such as CO₂ reduction and alcohol synthesis, combining standard ultra-high-vacuum characterization, Ambient Pressure XPS, and an electrochemical cell.