Report on ISE sponsored meeting, "First International Young Researchers Symposium on Applications of Electrochemical Technology" (IYRS-AET)

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The organizers are delighted to inform about the success of the "First International Young Researchers Symposium on Applications of Electrochemical Technology (**IYRS-AET**)" (and 4th Workshop of the Spanish Network of Excellence E3TECH – 'Environmental and Energy Applications of the Electrochemical Technology' (CTQ2017-90659-REDT, https://rede3tech.org/english/)). The event was held on June 20, at ETSIIT School in Santander (Spain), as Symposium 5 within the 3rd International Congress of Chemical Engineering (**ANQUE-ICCE 2019**)' (https://anque-icce2019.com/), which was organized on 19-21 June by the Spanish Association of Chemists and Chemical Engineers (ANQUE, https://anque.es/) in collaboration with the University of Cantabria.

The IYRS-AET symposium was supported by the Group of Electrochemistry of the Royal Spanish Society of Chemistry and the E3TECH Network. There were 27 communications, distributed in three oral sessions (10 min each presentation) and one poster session. Round tables were organized at the end of each session in order to jointly discuss on the presentations as a whole.

Oral session 1

Oral session 2

Oral session 3

Dr. Sonia Lanzalaco, who is currently developing the 4D-POLYSENSE Project ('4D-Polypropylene meshes as sensitive motion sensors') at the Universitat Politècnica de Catalunya (UPC, Barcelona, Spain) with funding under the Marie Sklodowska-Curie Actions Program, was invited to give a **Keynote Lecture** entitled "Polymer hydrogels: Looking for green synthesis and bioengineering applications". The lecture offered an interesting perspective on the potential links between electrochemistry, polymer chemistry and biomedicine.

Dr. Sonia Lanzalaco (UPC, Spain), invited keynote speaker.

The travel expenses of Dr. Lanzalaco were covered with the ISE sponsorship, which also served to offer three awards, as follows:

Amaia Ortiz de Lejarazazu Larrañaga (IMDEA Water Institute), **Best oral communication award** ("Preparation of ion exchange membranes by using end-of-life reverse osmosis membranes and application in electrodialysis").

Sergio Díaz Abad (Universidad de Castilla-La Mancha), **Best oral communication award** ("Study of the SO_2 depolarized electrolysis with advanced PBI based membranes at high temperature").

María Arellano Pardo (Universidad de Vigo), **Best poster communication award** ("Sulfate radical and its application to the removal of organic pollutants").

The Symposium aimed to encourage the research work of young researchers that are facing their PhD or their first postdoctoral training in electrochemical technology. Communications were focused on different applications: Sustainable Electrochemical Engineering; The Innovative Contribution of Electrochemical Engineering to Green Energy; New Environmental Approaches of Electrochemical Engineering. Taking into account the topics, the event was closely related to the activities of Division 5 (Electrochemical Process Engineering and Technology). The electrochemical technology is experiencing an awakening worldwide, with particular focus on environmental and energy applications,

and this was clearly confirmed in this Symposium since the majority of presentations dealt with both aspects of the electrochemical technology.

The number of attendants per session was around 45-50, and all participants expressed their satisfaction with the opportunity to disseminate their works, in English, in front of an international audience.

We take this opportunity to thank all participants for their contributions to the Symposium and, in particular, the ISE for the funding provided.