



# 20<sup>th</sup> Topical Meeting

of the International Society of Electrochemistry

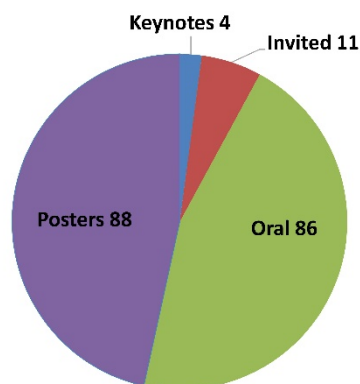


The 20<sup>th</sup> Topical Meeting of the International Society of Electrochemistry was held in Buenos Aires, Argentina, at the auditoriums of the Pontifical Catholic University in the modern neighborhood of Puerto Madero besides the river.

The meeting, sponsored by Divisions 3 (Electrochemical Energy Conversion and Storage) and 4 (Electrochemical Material Science) of ISE, was focused on “Advances in Lithium and Hydrogen Electrochemical Systems for Energy Conversion and Storage”, and sessions involved three full days from Monday 20 to Wednesday 22. The registration and opening ceremony took place on Sunday 19. The opening ceremony began with a co-speech given by the co-chairs, describing the general purposes of ISE topical meetings and the interests and potentialities of Argentina in the field of production of clean and renewable energies. These initial words were followed by a presentation given by ISE Vice-president Plamen Atanassov about the general objectives and activities of the Society. The ceremony was closed with the welcome words of Dr. Miguel Angel Blesa, representing the Ministry of Science and Technology of Argentina, one of the main sponsors of the meeting. After the ceremony, the delegates shared a welcome cocktail.

The scientific activities started on Monday and were organized in two parallel sessions, session 1, related to lithium batteries and session 2, focused on hydrogen fuel cell systems. Each session included two keynote and 6 invited lectures, although in the

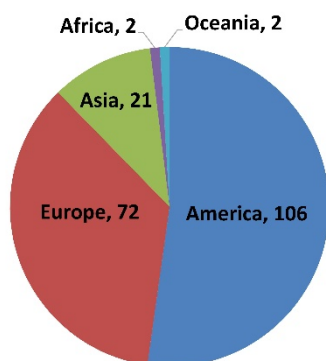
case of session 1 only 5 were eventually given as one of the speakers couldn't come due to health problems. Regular contributions included 86 oral and 88 poster presentations.



The keynotes of session 1 were presented by Kristina Edström from Sweden (*“Interface and Interphases in Li- and Na-ion batteries”*) and Doron Aurbach from Israel (*“Recent Insights related to Li-O2 Battery Technology”*). Keynotes for session 2 were presented by Sanjeev Mukerjee from USA (*“Enabling Sustainable Non Noble Metal Electrocatalysts for Oxygen Reduction Reaction”*) and Edson Ticianelli from Brazil (*“Activity and*

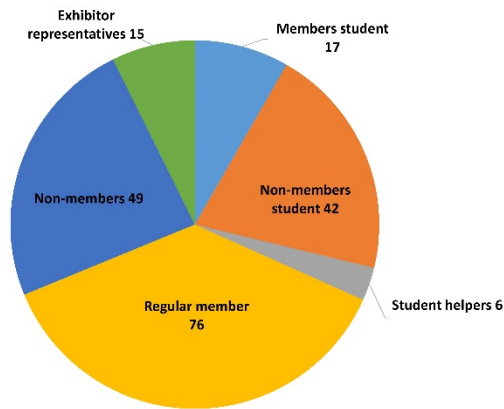
*Stability of Carbide- and Oxide-based Electrocatalysts for the H2/O2 Evolution Reactions in Acid and Alkaline Electrolytes”*). The invited lectures in session 1 were presented by Alejandro A. Franco (Université de Picardie Jules Verne & CNRS, Amiens, France), Silvia Bodoardo (Politecnico di Torino, Torino, Italy), Nuria García-Aráez (University of Southampton, United Kingdom), Brett Lucht (University of Rhode Island, USA) and Robert Dominko (National Institute of Chemistry, Ljubljana, Slovenia). The invited lectures of session 2 were presented by Dario R. Dekel (Technion, Israel), Simon Thiele (University of Freiburg, Germany), Sara Cavaliere (University of Montpellier, France), K. Andreas Friedrich (German Aerospace Centre (DLR), Germany), Stanko Brankovic (Cullen College of Engineering, USA) and José H. Zagal (Universidad de Santiago, Chile).

The poster sessions took place after the end of oral sessions on Monday (lithium batteries) and Tuesday (hydrogen fuel cells) and were accompanied by argentine wines and traditional empanadas. Four Poster Prizes were granted by Sections 3 and 4 of ISE. The winning students were Analía Natali Arias (Argentina) and Giulio Ferraresi (Switzerland) for session 1 and Mariela Lescano (Argentina) and Sirlane Gomes da Silva (Brasil) for session 2.



The success of this topical meeting was expressed through the participation of the 203 delegates coming from 30 countries, mainly from America and Europe. The number of participants by country was as follows: Argentina 68, Germany 21, France 16, USA 11, Chile 9, Brazil 8, Israel 7, Sweden 7, Republic of Korea 6, Japan 5, Uruguay 5, Netherlands 5, Italy 5, Spain 4, Canada 4, Switzerland 3,

Belgium 2, Australia 2, Estonia 2, Czech Republic 2, United Kingdom 2, South Africa 1, Taiwan 1, Bulgaria 1, Nigeria 1, Mexico 1, Denmark 1, Slovenia 1, Kazakhstan 1.



The interest on the meeting was expressed not only by the number of delegates but also by the presence of the National Research Council (CONICET), the Ministry of Science Technology and Productive Innovation (MINCYT) and YTEC Tecnología, as sponsors and the 9 instruments exhibitors that were participating along the meeting. The meeting provided not only excellent and ample opportunities for participants to

share and discuss the recent advances in lithium batteries and hydrogen fuel cells but also to establish new friendships and collaborations thanks to the possibility of sharing coffee-breaks, lunches and drinks in the posters room, a place where also the exhibitors were present along the entire topical meeting.

The traditional conference banquet was held on Tuesday evening at Piazzolla Tango, a historical theater from 1915 in the downtown of Buenos Aires, which was once owned by the recognized musician and bandoneon player Astor Piazzolla. The well-served dinner was followed by a tango show offered by a traditional tango sextet of musicians and six tango couples. They played and danced from the traditional tango of the initial decades of the last century to the more modern Piazzolla tango style.

We wish to thank all the participants, particularly to those who did the effort of travelling to this very south part of the world, for their presentations that contributed to the scientific excellence of the meeting. We also do not want to forget the great collaboration given by Kathleen Vionnet and Thierry Lenzin of the ISE OFFICE from the initial organization to the final realization of the topical meeting.

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*Co-chairs, 20<sup>th</sup> ISE Topical meeting*