

# DEFIANT SPIRIT AT UKRAINIAN CONFERENCE

Ongoing military situation in Ukraine doesn't deter corrosion scientists from the Corrosion-2022 conference in Lviv



More than 100 scientists from 17 countries attended Corrosion-2022 and presented reports alongside 50 scheduled oral presentations (20 offline) and more than 30 poster presentations

The XVI International Conference Problems of Corrosion and Corrosion Protection of Materials (Corrosion-2022) was held in Lviv, Ukraine from 15th to 17th November 2022 in a hybrid format. Jointly organised by the Ukrainian Association of Corrosionists and the Karpenko Physico-Mechanical Institute of the National Academy of Sciences of Ukraine, with the support of the European Federation of Corrosion, and the National Academy of Sciences of Ukraine, the conference was held at a difficult time for Ukrainian corrosion scientists and Ukrainian science.

Despite the military situation in the country, scientists from 14 institutions of the National Academy of Sciences of Ukraine and 21 Ukrainian universities took part in the conference. The presented reports covered fundamental aspects of corrosion and corrosion-mechanical destruction of materials, modern developments of new corrosion-resistant materials, coatings and corrosion inhibitors for the protection of industrial structures, as well as alternative energy equipment.

Former EFC President, Dr Joerg Vogelsang and Dr Agnieszka Krolikowska, President of the Polish Corrosion Society, welcomed participants at the conference opening.

More than 100 scientists from 17 countries, including Ukraine, Germany, USA, Poland, Italy, Portugal, Belgium, Great Britain, Czech Republic, Brazil, Kazakhstan, and more presented reports at the conference, alongside 50 oral presentations (20 of them offline), and more than 30 poster presentations. The meeting was attended online by almost

120 scientists, 40 from foreign scientific institutions. Plenary lectures were given by well-known corrosion scientists, including Robert Kelly (USA) 'Search for Electrochemical Similitude in SCC Testing'; Robert Akid (Great Britain) 'Application of cellular automation-extended finite element analysis (CAXFEM) for the prediction of pit-induced fatigue'; Joao Fernandes (Portugal) 'Corrosion protection of magnesium alloys for biomedical applications', and Ivan Zin (Ukraine) 'Corrosion protection of aluminium alloy by composition based on natural biopolymer'.

At the final session, it was emphasised that the Corrosion-2022 conference contributed to new areas of research in the field of corrosion and anti-corrosion protection of materials, the establishment of professional contacts between Ukrainian scientists and their colleagues from other countries, as well as co-operation between scientists and business representatives.

Based on the results of the conference, the collection of abstracts from Corrosion-2022 was published and the best reports were selected for publication in the Materials Science journal. The organisers and Ukrainian participants of the conference received significant support from renowned institutes and global corrosion specialists. Holding the conference became a real symbol for the unity and indomitable spirit of Ukrainian corrosion scientists.

The XVII International Conference Problems of Corrosion and Corrosion Protection of Materials (Corrosion-2024) will return to Lviv in June 2024.