



Zelenay named 2021 International Society of Electrochemistry Fellow

Piotr Zelenay (Materials Synthesis and Integrated Devices, MPA-11) has been appointed an International Society of Electrochemistry (ISE) Fellow in recognition of his outstanding scientific record and contributions to electrochemical science.

Zelenay's research focuses primarily on fundamental and applied aspects of polymer electrolyte fuel cell science and technology, electrocatalysis, and electrode kinetics.

A LANL and Electrochemical Society fellow, Zelenay is the recipient of numerous awards for his research achievements. These include a 2020 DOE Hydrogen and Fuel Cells Program merit review award for his leadership in the ElectroCat Consortium (his second such DOE merit award), a 2017 R&D 100 Award for his electrocatalysis research, the 2014 Los Alamos National Laboratory Fellows Prize for Research for his work in nonprecious metal electrocatalysts, and the 2012 Research Award from the Energy Technology Division of The Electrochemical Society.

Since joining the Los Alamos Fuel Cell Program in 1997, he has successfully led numerous large projects. He is co-director of ElectroCat 2.0, a second iteration of a DOE consortium, which is co-led by Los Alamos and Argonne National Laboratory. This three-year project focuses on the most promising approaches for platinum-group- metal-free catalysts that can meet the durability requirements for heavy-duty applications, as well as cost, efficiency, and other key metrics.

Zelenay, who holds PhD and DSc (habilitation) degrees in chemistry from the University of Warsaw, Poland, as well as National Professorship in Chemistry, awarded by the President of Poland in 2015, joined the Lab in 1997.

Founded in 1949, the International Society of Electrochemistry has 3,000 members from more than 70 countries. Fellowship is limited to about 5% of the society's active membership. Of the eight newly elected ISE Fellows, three are recent winners of the Nobel Prize.