

HFTO Post-Doc Award Competition Celebrates Five Years of Success!

2020



Eun Joo Park (Winner), Los Alamos National Laboratory: Development of Polymer Electrolytes for Electrochemical Devices



Luigi Osmieri (Runner-up), National Renewable Energy Laboratory: Platinum Group Metal-Free Catalysts for Proton Exchange Membrane Fuel Cells: Electrode Diagnostics for Performance and Durability



Guosong Zeng (Runner-up), Lawrence Berkeley National Laboratory: Self-Improving GaN/Si Photocathode in PEC Water Splitting

Honorable Mention:
Michael Gerhardt, Lawrence Berkeley National Laboratory
Sadia Kabir, National Renewable Energy Laboratory
Brian Kagay, Sandia National Laboratories
Sunikumar Khandaalil, National Renewable Energy Laboratory
Daniel Leonard, Los Alamos National Laboratory
Dongguo Li, Los Alamos National Laboratory
Xiaoyan (Jessica) Luo, Lawrence Berkeley National Laboratory
Chenyu Wang, Los Alamos National Laboratory

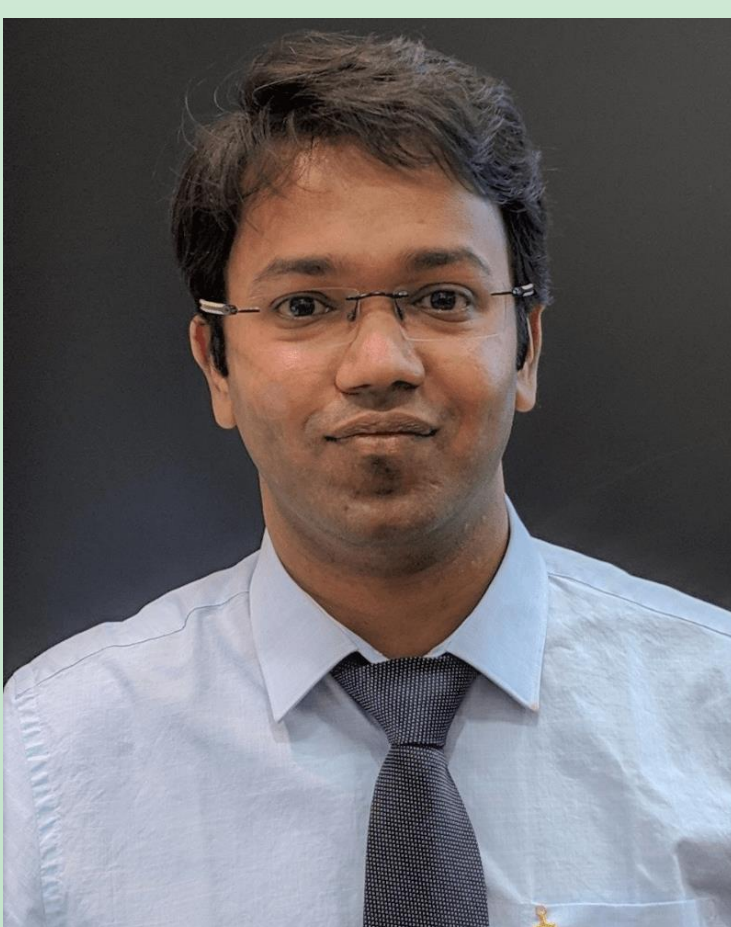
2021



Matthew Witman (Winner), Sandia National Laboratories: Accelerating Data-Driven Discovery of Materials for Hydrogen Storage and Generation



Yingying Chen (Winner), National Renewable Energy Laboratory: Bipolar Membrane Development and Electrochemical Applications



Shank Kulkarni (Runner-up), Pacific Northwest National Laboratory: Damage Evolution in Polymers due to Exposure to High-Pressure Hydrogen Gas



Xiaojing Wang (Runner-up), Los Alamos National Laboratory: Effect of Electrode Thickness and Pt Distribution on Fuel Cell Performance and Durability

Honorable Mention:
Daniel Leonard, Los Alamos National Laboratory
Lalit Pant, Lawrence Berkeley National Laboratory
Jonathan L. Snider, Sandia National Laboratories
Chenyu Wang, Los Alamos National Laboratory

2022



Carlos Baez-Cotto (Winner), National Renewable Energy Laboratory: Formulation Strategies for the Large-Scale Manufacturing of Crack-Free Electrodes



ChungHyuk Lee (Winner), Los Alamos National Laboratory: High-Performing and Durable Electrodes for PEMFCs



Wenjuan Bian (Runner-up), Idaho National Laboratory: Protonic Ceramic Electrochemical Cells for Hydrogen Production and Electricity Generation



Ryan Klein (Runner-up), National Renewable Energy Laboratory: Characterizing Hydrogen Storage Materials Using Neutron Scattering Techniques

Honorable Mention:
Chaochao Dun, Lawrence Berkeley National Laboratory
Brian Green, National Renewable Energy Laboratory
Sichi Li, Lawrence Livermore National Laboratory
Katie Lim, Los Alamos National Laboratory
Peng Peng, Lawrence Berkeley National Laboratory
Zeyu Zhao, Idaho National Laboratory

2023



Audrey Taylor (Winner), National Renewable Energy Laboratory: Mitigation and Diagnosis of Pin-Hole Formation



Jason Lee (Runner-up), Lawrence Berkeley National Laboratory: Advanced Porous-Transport-Layer Interface Design for PEM Electrolyzers



Wipula Liyanage (Runner-up), Los Alamos National Laboratory: Thin-Film Catalyst Fuel Cell Electrodes with Improved Durability

Honorable Mention:
Arthur Dizon, Lawrence Berkeley National Laboratory
Andy Ko, Pacific Northwest National Laboratory
Clarence Ng, Argonne National Laboratory
Long Le, Pacific Northwest National Laboratory

2024



Tanya Agarwal (Winner), Los Alamos National Laboratory: Ionomer Durability in Membrane and Electrodes



Rebecca Hamlyn (Runner-up), Lawrence Berkeley National Laboratory: Approaching the complex composite electrode interface with *operando* AP-XPS



Andrew Rowberg (Runner-up), Lawrence Livermore National Laboratory: Model-Driven Engineering of Materials for Solid-Oxide Electrolysis and Solid-State Storage of Hydrogen



Kui Li (Runner-up), Los Alamos National Laboratory: New Materials and Approaches for Fuel Cells and Electrolyzers

Honorable Mention:
Sarah Blair, National Renewable Energy Laboratory
Melissa Kreider, National Renewable Energy Laboratory
Guanzhi Wang, Lawrence Berkeley National Laboratory