



Rangachary Mukundan named Electrochemical Society Fellow

September 8, 2017

The Electrochemical Society (ECS) has selected Rangachary (Mukund) Mukundan of the Laboratory's Materials Synthesis and Integrated Devices group as a Fellow. The distinction, granted to no more than 15 people annually, was established in 1989 to recognize advanced individual technological contributions in electrochemical and solid-state science and technology

Mukundan's achievements

Mukundan's research focuses on fuel cells, electrochemical gas sensors and energy storage devices. He is a steering committee member for the Department of Energy's Fuel Cell Consortium for Performance and Durability (FC-PAD), where he coordinates the thrust area Operando Evaluation (i.e. evaluation of working fuel cells to determine how to improve the performance and durability). The thrust area includes benchmarking, accelerated stress testing, and contaminants. He is the co-inventor of six U.S. patents, has authored more than 125 papers, and is the principal investigator of a 2017 Los Alamos Laboratory Directed Research and Development (LDRD) project titled "Flow Cells for Scalable Energy Conversion and Storage."

Mukundan has received the Electrochemical Society's J.B Wagner Award of the High Temperature Materials Division and the Sensor Division Outstanding Achievement Award, the highest recognition the division can bestow on an ECS member. He is also the technical editor for ECS journals in the area of sensors and measurement sciences, and previously served on the Board of Directors and as chair of the Sensor Division.

He earned a Ph.D. in materials science and engineering from the University of Pennsylvania, and joined Los Alamos in 1997 as a postdoctoral fellow. He became a staff scientist in 1999

About the Electrochemical Society

Founded in 1902, the Electrochemical Society is the world's largest professional society for electrochemical science and applications. The membership is composed of more than 8,000 scientists and engineers in over 70 countries worldwide who hold individual membership, as well as roughly 100 corporations and laboratories that hold corporate membership. Its mission is to advance theory and practice at the forefront of electrochemical and solid state science and technology, and allied subjects.

The Electrochemical Society will honor the new Fellows during the fall meeting in Washington, D.C.

For more science news, see the [Science Highlights](#).

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