

Aditya Mohite



Presentation title :

Hybrid perovskites: An ideal semiconductor platform for high-performance electronic devices

Aditya Mohite is the PI of the Light-to-Energy team at LANL and directs an energy and optoelectronic devices lab working on understanding and controlling charge and energy transfer processes occurring at interfaces created with organic and inorganic materials for thin-film clean energy technologies.

His research philosophy is applying creative and “out-of-the-box” approaches to solve fundamental scientific bottlenecks and demonstrate technologically relevant performance in devices that is on par or exceeds the current state-of-the-art devices.

He has published more than 110 peer reviewed papers in journals such as Science, Nature, Nature Materials, Nature Nanotechnology, Nano Letters, ACS Nano, Chemical Society Reviews, Applied Physics Letters and Advanced Materials amongst others. He has also delivered more than 75 invited talks.

He was also recently awarded the prestigious Resonate Award conferred by the Resnick Institute at Caltech to shine a light upon upcoming innovators below 40 in sustainable clean energy.