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2021 WORLD FUEL CELL CONFERENCE

AUGUST 17-20, 2021 | WATERLOO, CANADA

Name	Dr. Sunita Satyapal	
Affiliation	Director, Hydrogen and Fuel cell Technologies Office Office of Energy Efficiency and Renewable Energy U.S. Department of Energy	
<h2>Invited Plenary Lecture</h2>		
Presentation Title	U.S. Department of Energy's Hydrogen and Fuel Cell Perspectives	
Abstract (Approximately 200 words)	Hydrogen and fuel cells are emerging, versatile examples within a portfolio of advanced and sustainable energy options. Dr. Sunita Satyapal will provide an overview of hydrogen and fuel cell research, development, demonstration and deployment (RDD&D) activities led by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE). The presentation will discuss how EERE's RDD&D efforts are advancing U.S. commitment to tackling the climate crisis through the DOE Hydrogen Program's H2@scale vision for clean hydrogen across the economy, and the Hydrogen Energy Earthshot seeking to cut the cost of clean hydrogen to \$1 per 1 kilogram in one decade. The presentation will also cover examples of H2@Scale projects demonstrating hydrogen's emission reduction and economic growth potential in hard to decarbonize sectors such as steel manufacturing and heavy duty applications, as well workforce development and international collaboration activities.	
Biographical Sketch (Approximately 200 words)	<p>Dr. Sunita Satyapal is the Director for the U.S. Department of Energy's Hydrogen and Fuel Cell Technologies Office within the Office of Energy Efficiency and Renewable Energy and is responsible for \$150 million per year in hydrogen and fuel cell R&D. She has two and a half decades of experience across industry, academia and government, including at United Technologies managing research and business development, and as a visiting professor. She has served as the Chair – is currently the co-Chair – of the International Partnership for Hydrogen and Fuel Cells in the Economy, a partnership among over 20 countries to accelerate progress in hydrogen. She received her Ph.D. from Columbia University and did postdoctoral work in Applied and Engineering Physics at Cornell University.</p> <p>She has numerous publications, including in Scientific American, 10 patents, and a number of recognitions including a Presidential Rank Award.</p>	