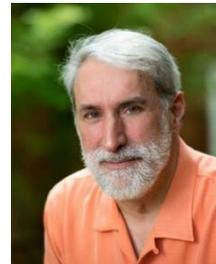


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Dr. Nocera is the Patterson Rockwood Professor of Energy at Harvard University. His group has pioneered studies of the basic mechanisms of energy conversion in biology and chemistry with a focus on multi-electron transformations and the coupling of protons to electron transfer (i.e., proton-coupled electron transfer). His group accomplished a solar fuels process that captures many of the elements of photosynthesis; he translated this science to produce the artificial leaf, which was named by Time magazine as Innovation of the Year for 2011. He has also demonstrated a path to liquid fuels using a bio-engineered bacterium to efficiently convert carbon dioxide, along with hydrogen produced from the artificial leaf, into biomass and fusel alcohols. In 2008, he founded Sun Catalytic to further develop and commercialize these and other technologies; in August 2014, Lockheed Martin purchased the assets of Sun Catalytic, and now Sun Catalytic technology is being fast-tracked to commercialization under the new venture, Lockheed Martin Advanced Energy Storage, LLC. Dr. Nocera began his career at Michigan State University, where he was a University Distinguished Professor and then was on the faculty of MIT where he was the Henry Dreyfus Professor of Energy. He earned his B.S. degree at Rutgers University and his Ph.D. at Caltech.