

Prof. Dr. Christian Sattler

Prof. Dr. Christian Sattler studied chemistry at the University of Bonn, Germany. He works on solar Thermochemistry for over 20 years. He is presently acting director of the German Aerospace Center's new Institute of Future Fuels and professor for solar fuel production at the Technical University of Dresden, Germany. He serves as vice president of the association Hydrogen Europe Research and as national representative to tasks of the IEA's SolarPACES and Hydrogen Implementing Agreements.

Dr. James Klausner

Dr. James Klausner is an MSU Foundation Professor and Mechanical Engineering Department Chair at Michigan State University (2016-present). He served as a Program Director at the U.S. Department of Energy Advanced Research Projects Agency-Energy (ARPA-E). He has made many fundamental and applied research contributions in high temperature thermochemistry, waste heat and solar driven desalination, and high heat flux phase-change heat transfer. He is a Fellow of the American Society of Mechanical Engineering and the American Society of Thermal Fluid Engineers. He is a recipient of the ASME Heat Transfer Division Memorial Award and the 75th Anniversary Award.

Dr. Tim Held

Dr. Timothy Held is the Chief Technology Officer at Echogen Power Systems, where he is responsible for development and commercialization of supercritical CO₂ power cycles and energy storage systems. Prior to joining Echogen in 2008, Dr. Held was with GE Aviation for 13 years, where he led the several Combustor Aero Design groups, and was the technical leader for alternate fuels research and evaluation.

Dr. Andrea Ambrosini

Andrea Ambrosini is a Principal Member of the R&D Staff in the Concentrating Solar Technologies department at Sandia National Laboratories in Albuquerque, NM. Dr. Ambrosini's research involves the exploration and development of functional oxide materials for renewable energy applications, particularly solar-thermal chemistry. Current research includes development of materials and processes for CSP-driven renewable ammonia production, CO₂ and H₂O splitting for renewable hydrogen and fuel production, thermochemical energy storage, and air separation. She has led DOE-funded projects in the topics of solar selective absorptive coatings and thermochemical energy storage for concentrating solar power.

Dr. Ambrosini received her B.S. in Chemistry from Pennsylvania State University (University Park, PA) and her Ph.D. in Inorganic Chemistry from Northwestern University (Evanston, IL). Prior to joining Sandia, she was a post-doctoral fellow for the Centre National de la Recherche Scientifique (CNRS) at Laboratoire CRISMAT in Caen, France. She has over 35 peer reviewed publications, 4 published patents and 3 patents pending.