

**Nathan S. Lewis, Ph.D.**, is the George L. Argyros Professor of Chemistry at Caltech. Lewis is best known for developing artificial photosynthesis technology that enables sustainable production of hydrogen fuel using sunlight, water and carbon dioxide. Research interests include phototropism in non-biological inorganic matter and related pattern free nanoscale 3-D lithography. Lewis is also interested in weather-based data-driven modeling of deeply decarbonized electricity and energy systems based on variable renewable energy and technologies for long-term grid storage.