

Oliver Hemmers, Ph.D.

Dr. Oliver Hemmers is a Research Professor and the Executive Director of the Harry Reid Center for Environmental Studies at the University of Nevada, Las Vegas. Dr. Hemmers earned his M.S. degree and Ph.D. in Physics from the Technical University Berlin (Germany) in 1988 and 1993, respectively. In his current position, Dr. Hemmers is restructuring and leading the Harry Reid Center to better meet the demands of interdisciplinary research across campus and is orchestrating campus-wide renewable energy related efforts including research, education and outreach. Furthermore, Dr. Hemmers is the UNLV managerial point of contact for the Nevada Renewable Energy Consortium and the state-wide Task Leader for Solar Energy Research projects within the Consortium. His research interests include new materials for solar energy conversion; hydrogen fuel storage with a focus on glass-ceramic composite materials; optimization of biodiesel production processes with a focus on sodium methoxide production and applications of x-ray spectroscopy using synchrotron radiation on gas-phase, solids and surfaces to probe electronic structures, correlations and processes as well as material science for the synthesis and characterization of surrogate substituted fluorapatite for long-term nuclear waste storage.

Dr. Hemmers was named Director of the Office of Strategic Energy Programs in 2006 and became the Executive Director of the Harry Reid Center in 2008. In late 2009 he was named Executive Director of the Transportation Research Center and more recently took on the role of acting Director of the Marjorie Barrick Museum, both part of the Harry Reid Center. Dr. Hemmers has managed or been a PI on various research projects totaling over \$10,000,000 in funding from the Department of Energy and the National Science Foundation, NASA and others. Dr. Hemmers has made approximately 200 presentations at national and international meetings, published approximately 90 research articles, written one book, and holds one patent. He is a member of the American Physical Society and a reviewer for the American Institute of Physics, the Institute of Physics, national and international funding agencies and others.