

Global Green Hydrogen Science and Technology Team

US TEAM



Dr. Woodrow W. Clark, *Chairperson*

Founder, Managing Director, and CEO of Clark Strategic Partners (AKA Clark Communications) in Beverly Hills, California. He was the Deputy Director / Senior Policy Advisor, Energy Reliability to Governor Gray Davis where he focused on sustainable development, renewable energy, advanced and emerging technologies and finance. Clark has been an entrepreneur and an expert in technology transfer at Lawrence Livermore

National Laboratory, where he was Manager of Strategic Planning, Energy-Environmental Directorate during the 1990s. Clark has published articles on renewable energy, green buildings, hydrogen. With Prof. Ted Bradshaw (University of California, Davis), he co-authored *Agile Energy Systems: global lessons from the California energy crisis* (Elsevier, 2004). Clark completed *Qualitative Economics: Toward a Science of Economics*, with Prof. Michael Fast of Aalborg University, Denmark in 2006.

(<http://www.clarkstrategicpartners.net/>)



Dr. Alan Lloyd

President of the International Council on Clean Transportation in Reno, Nevada. Dr. Lloyd served as the Secretary of the California Environmental Protection Agency from 2004 through 2006, and as the Chairman of the California Air Resources Board (CARB) from 1999 to 2004. Dr. Lloyd was also the 2003 Chairman of the California Fuel Cell Partnership

and is a Co-Founder of the California Stationary Fuel Cell collaborative. Dr. Lloyd is currently Chairman of the Hydrogen and Fuel Cell Advisory Committee (HTAC) that was created under the Energy Act. HTAC reports directly to the Secretary of Energy of the US Department of Energy. (http://www.hydrogen.energy.gov/advisory_htac.html)



Dr. Dan Kammen

Distinguished Professor of Energy at the University of California, Berkeley, holding appointments in the Energy and Resources Group, the Goldman School of Public Policy, and the department of Nuclear Engineering. Prof. Kammen is the founding director of the Renewable and Appropriate Energy Laboratory (RAEL) and Co-Director of the Berkeley Institute of the Environment. Prof. Kammen also serves on the National Advisory Board of the Union of Concerned Scientists.

(<http://www.its.berkeley.edu/sustainabilitycenter/people/>)



Dr. Shannon Baxter-Clemmons

Former Assistant Secretary for Hydrogen and Alternative Fuel Policy at the California Environmental Protection Agency, and head of development for the California Hydrogen Blueprint Plan. Dr. Clemmons also previously served at the California Air Resources Board in the Chairman's Office of Science and Advanced Technology and as Director of Special Projects at Fuel Cells 2000 in Washington, DC.

(<http://www.hydrogenhighway.ca.gov/leadership/leadership.htm>)



Dr. Timothy Lipman

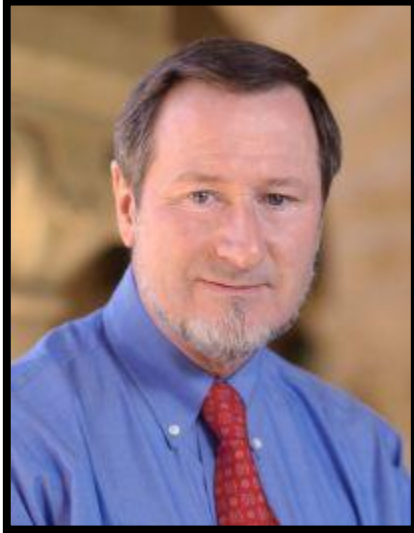
Research Director for the Transportation Sustainability Research Center and Assistant Research Engineer at the Institute of Transportation Studies, University of California, Berkeley. Dr. Lipman also serves as Co-Director of the Pacific Region Combined Heat and Power Application for the US Department of Energy and the California Energy Commission.

(<http://www.its.berkeley.edu/sustainabilitycenter/people/>)



Dan Adler

Director of Technology Policy for CAL FED (funded by California Public Utility Commission funded renewable energy funding program) in San Francisco. He holds a Masters degree in Public Policy and was an energy advisor to the CPUC from 2001-04. (<http://www.calcef.org/team.htm>)



Dr. Douglas Osheroff

Professor of Physics and Applied Physics and chairman of the Department of Physics at Stanford University. He received the Nobel Prize for physics in 1996. Dr. Osheroff is also a member of the US National Academy of Sciences and the American Academy of Arts and Sciences. Dr. Osheroff's research focuses on the properties of condensed matter near the absolute zero of temperature.

(http://www.stanford.edu/dept/physics/people/faculty/osheroff_douglas.html)



Craig A. Perkins

Director of Environmental and Public Works Management, for the city of Santa Monica and is responsible for programs and policies related to the city's water and wastewater systems, public works, engineering, design and capital project construction and environmental protection and resource efficiency.

(<http://www.lastormwater.org/Siteorg/LAPropO/sitefiles/coac.htm>)



Dr. Joel Swisher

Internationally recognized expert in the analysis, design, and evaluation of building-energy systems, utility energy efficiency, distributed generation, and emission reduction programs. He is currently the head of the Rocky Mountain Institute's (RMI) Energy and Resource Services Team.

(http://www.rmi.org/images/other/StaffBios/RMI_BioJSwisher.pdf)



Dr. Susan Shaheen, Ph.D.

Holds a joint research faculty appointment at California Partners for Advanced Transit and Highways (PATH), headquartered at the University of California (UC) Berkeley, and at UC Davis' Institute of Transportation Studies. She has co-authored one book, seventeen journal articles, and over thirty reports and proceedings articles. She is the chair of the Transportation Research Board (TRB) Committee on New Public Transportation Systems and Technologies and was the founding chair of the Carsharing/Station Car Subcommittee of TRB from 1999 to 2004.

(http://www.innovativemobility.org/staff/Susan_Shaheen.shtml)

- **Jerald Alan Cole**

Engineer and the co-founder of Hydrogen Ventures, LLC. His management consulting company provides assistance to early stage alternative energy companies with product development, market positioning, and raising debt and equity capital. Cole is a Board member of the California Hydrogen Business Council.

(http://www.hydrogen.la/index_netscape.html)

- **Dan Emmett**

Co-director of the California Hydrogen Highway Network Team. He heads the Energy Now Institute in Santa Barbara, California and prior to that was the Research Director for Environment Now in Santa Monica, California.

(<http://www.energyindependencenow.org/about-us.html>)

- **Tod O'Connor**

President of O'Connor Consulting Services, Inc. and has a background in the energy industry with particular emphasis in the public utility, distributed generation, and renewable energy areas. Mr. O'Connor has had over twenty years of experience as a consultant to states, the federal government, and industry on legal, public policy, legislative, and regulatory issues dealing with the energy industry.

- **Carlos Urrutia**

Engineer and consultant in renewable energy and hydrogen. He was an automobile engineer at Toyota for over ten years before focusing on renewable energy while finishing his science degree at California State University, Los Angeles. Since then among related areas and consulting on hydrogen, he has been an advisor for the Los Angeles Community College District on renewable on-site power generation.

- **Michele Wynne**

Active in the energy industry for more than 30 years. She pioneered the environmental analysis of utility projects and the development of merchant power projects. She was a key participant in the creation of very successful demand management programs in the power industry. She is now focused on the realizing the idea of Power for the People - localizing stationary and mobile energy production using renewable and distributed technology. Michele has a B.S. in Engineering from UCLA and holds memberships in IEEE, ASME and CIGRE.