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David Ashley, PhD

Dr. David B. Ashley is the president of the University of Nevada, Las Vegas, and is an ex-officio trustee of NIREC.

Prior to his service at UNLV, David served as executive vice chancellor and provost at the University of California, Merced, and held the Shaffer-George Chair in Engineering. He has also served as dean of engineering at The Ohio State University and has held civil engineering faculty positions at the University of California – Berkeley, the University of Texas at Austin, and the Massachusetts Institute of Technology (MIT).

David received a BS in civil engineering from MIT, an MS in civil engineering – project management from MIT, an MS in engineering – economic systems from Stanford University, and a PhD in civil engineering – construction engineering and management from Stanford University.

Ted Batchman, PhD

Dr. Ted Batchman is the director of the Renewable Energy Center at the University of Nevada, Reno, and a member of NIREC's TCAB.

Ted earned his degrees, all in electrical engineering, at the University of Kansas, finishing his PhD in 1966. He has industrial experience with Sandia Corporation and the Missiles and Space Division of LTV, Inc. He has served on the faculty at the University of Queensland (1970-75), and the University of Virginia (1975-88), and as professor and director of the School of Electrical Engineering and Computer Science at the University of Oklahoma (1988-92). He is currently a professor and dean of engineering at the University of Nevada, Reno.

Li Han Chan

Li Han Chan is the director of operations at NIREC.

Li Han graduated from Stanford University with degrees in economics and history. Before moving to Lake Tahoe, Li Han was a strategy consultant at Marakon Associates, a boutique management consulting firm in London, and advised multinational clients in the oil and gas, energy and hospitality industries. Prior to that, she represented Singapore's largest defense and engineering company as a business development manager (in London) and senior sales executive (in Singapore) where she was responsible for the Land System division's pioneering sale into a new market, and new partnership agreements with major UK defense companies.

Jim Davis



Jim Davis is the president of Chevron Energy Solutions, and a member of NIREC's TCAB.

As president, Jim has established Chevron Energy Solutions as one of the nation's leading energy services firms and the first comprehensive energy services company in the oil and gas industry. Before joining Chevron Energy Solutions, Jim served as senior vice president of Integrated Solutions for PG&E Energy Services, where the success of this business led to its purchase by Chevron in 2000.

Jim holds a bachelor of science degree in business administration, with a major in marketing, from The Ohio State University.

Jason Geddes, PhD



Dr. Jason Geddes is an environmental services administrator for the City of Reno, and a trustee and chairman of TCAB for NIREC.

Jason is the environmental services administrator for the City of Reno where he oversees the green initiative, including energy efficiency and renewable energy. He is currently serving as vice chair of the Nevada System of Higher Education Board of Regents. He has served as chair of the Nevada Renewable Energy and Energy Conservation Task Force.

Previously, Jason served as the state petroleum chemist and chaired the Fuel Standards Environmental Coordination Committee. As environmental affairs manager for the University of Nevada, Reno, he created and supported the Energy & Environment Committee. Jason also served in the Nevada State Assembly and has assisted in the drafting and passage of several bills dealing with renewable energy and fuel-related issues.

Jason received his B.S in Biochemistry and Ph.D. in environmental sciences and health from the University of Nevada, Reno.

Milton Glick, PhD



Dr. Milton Glick is the president of the University of Nevada, Reno, and an ex-officio trustee of NIREC.

Before coming to Nevada, Milton served as executive vice president and provost of Arizona State University (ASU). From 1991 to 2002, he was senior vice president and provost at ASU and also held a faculty appointment in chemistry and biochemistry. Prior to his ASU appointment, Milton was provost at Iowa State University for three years, also serving the Ames campus as interim president for eight months. Previously, he served as dean of the College of Arts and Science at the University of Missouri and was a member of the chemistry faculty at Wayne State University for 17 years.

Milton earned his bachelor's degree from Augustana College and his doctor of philosophy in chemistry from the University of Wisconsin at Madison.

Bob Goff



Bob Goff is a trustee and the vice-chairman and corporate secretary of NIREC.

Bob has more than 30 years of experience in building and managing three Silicon Valley semiconductor product companies from research to widespread commercialization. He also served multiple terms as an appointed member of the Advisory Group for Electron Devices to the Office of Under Secretary of Defense specializing in applications including commercializing advanced technology.

Bob is the founder and chairman of the Sierra Angels and recent chair of Golden Capital Network and of Nevada's Center for Entrepreneurship & Technology. He is a former trustee of Sierra Nevada College and currently serves as trustee of Desert Research Institute Foundation. Bob is also a board member of Research Ventures, Inc. and UC Davis External Research Advisory Board, and previous chair of the UNR College of Engineering Advisory Board.

His MBA is from Santa Clara University supplemented with executive programs from Stanford University.

Andrew Goodrich



Andrew Goodrich is the director of the Air Quality Management Division of the Washoe County District Health Department, and a member of NIREC's TCAB.

Prior to working for the Air Division for over 20 years, Andy was employed as a data analyst with the Desert Research Institute for six years. Andy serves as the chairman of the Nevada Climate Change Advisory Committee, the team leader for Washoe County's Green Team, and is on the Board of Directors for the American Lung Association of Northern Nevada.

Andy received a BS in resource economics and a Professional Certificate in public administration from the University of Nevada, Reno.

Andrew Hargadon, PhD

Dr. Andrew Hargadon is an associate professor of technology management at the Graduate School of Management at UC Davis, and a member of NIREC's TCAB.

He is author of *How Breakthroughs Happen: The Surprising Truth About How Companies Innovate*, and founding director of the Center for Entrepreneurship and the Energy Efficiency Center, both at UC Davis. Prior to his academic appointment, he worked as a product designer at Apple Computer and taught in the Product Design Program at Stanford University.

Andy's research focuses on the effective management of innovation and the strategic role of design in managing technology transitions, particularly in the development and commercialization of sustainable technologies.

Andy received his PhD from the Management Science and Engineering Department in Stanford University's School of Engineering, where he was named Boeing Fellow and Sloan Foundation Future Professor of Manufacturing. He received his BS and MS in Stanford University's Product Design Program in the Mechanical Engineering Department.

Oliver Hemmers, PhD

Dr. Oliver Hemmers is research professor and executive director of the Harry Reid Center for Environmental Studies at the University of Nevada, Las Vegas. He is a member of NIREC's TCAB.

Oliver's research interests include 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; material science such as the synthesis and characterization of surrogate substituted fluorapatite for long-term nuclear waste storage; hydrogen fuel storage with a focus on hollow-glass microspheres; and new materials for renewable energy research.

Oliver was named director of the Office of Strategic Energy Programs in 2006. The same year, he was elevated to associate research professor in the Department of Chemistry. The eight years prior, he was an assistant research professor in the department.

Oliver is co-founder, director and a board member of GPmicro, Inc. and Gruintine Pueche, Inc., and serves as director and board member of Infinity Capital Management.

He earned a master's degree and Ph.D. from TU Berlin in 1988 and 1993, respectively.

Kent Hoekman, PhD



Dr. Kent Hoekman is a research professor in the Division of Atmospheric Sciences at Desert Research Institute, and a member of NIREC's TCAB.

Kent served as executive director of Desert Research Institute's Division of Atmospheric Sciences from 2001 to 2007. Prior to joining DRI, he spent over 20 years at Chevron, where his work focused on motor vehicle emissions and their impacts on air quality.

Kent has also served in technical advisory roles to the EPA and was a member of the California Air Resources Board Research Screening Committee for five years. He currently serves as a member of the Health Effects Institute's Special Committee on Emerging Technologies.

Kent received a PhD in organic chemistry from Iowa State University, and a BS in Chemistry from Calvin College.

Travis Johnson



Travis Johnson is manager of the Substation Construction & Maintenance groups at NV Energy, president of Travis Johnson Enterprises Inc., and a member of NIREC's TCAB.

Gaining NV Energy's sponsorship, Travis founded the renewable energy minor at the University of Nevada, Reno. He has 16 years of electric utility experience including power flow simulation, system protection and control, substation engineering and design, and substation construction and maintenance.

Travis has also invented and brought to market two products currently carried by Confluence Watersports, the largest kayak manufacturer in the United States.

Travis received his B.S. in electrical engineering from the University of Nevada, Reno. He is a registered P.E. in the state of California.

Barry Klein, PhD

Dr. Barry Klein is vice chancellor for research at UC Davis, and an ex-officio trustee of NIREC.

Barry received a BS in engineering physics in 1962 and an MS and a PhD in physics in 1965 and 1969, respectively, all at New York University. He served at the Naval Research Laboratory (NRL) in Washington, D.C. in research and scientific leadership positions in condensed matter physics and complex systems theory from 1969 to 1992. He also served in a scientific leadership capacity at the National Science Foundation from 1984 to 1985 while on leave from NRL.

Barry joined the UC Davis faculty in 1992 and served as chair of the Department of Physics from 1992 to 1998 and as vice provost for academic personnel from 1998 to 2001.

Atam Lalchandani, PhD

Dr. Atam Lalchandani is a trustee and the treasurer of NIREC.

For the past 15 years, Atam has worked as part-time advisor, board member, and general business mentor to a number of early-stage information-technology companies. Representative companies are Juniper Networks, AtHome Corp, Cerent & Equinix. He is currently advising companies in the mobile video and Web 2.0 software businesses. Atam is also on the board of Sierra Nevada College.

Early in his career, Atam focused on the application of operations-research techniques to a variety of industrial and government problems and operating roles in the high-tech industry, predominantly semiconductors, computer systems and software. His role gradually increased in scope from strategic planner to chief financial/administrative officer and finally as CEO of a venture-backed software company (representative companies are National Semiconductor and Oracle).

Atam holds a degree in mechanical engineering from the Indian Institute of Technology, Bombay, India, and an MS and a PhD in operations research from Cornell University.

Sean McEwen

Sean McEwen is an entrepreneur-in-residence with NIREC

In 1983, Sean co-founded San Diego based Online Data Corp., later renamed TriTech Software Systems. TriTech's flagship product, VisiCAD, was the first Windows based 9-1-1 emergency dispatching system to use an integrated mapping based GUI. In 1998, TriTech was listed #344 on the *Inc. 500*, a list of the nation's top 500 fastest growing privately held companies. Sean served as vice president from 1983 to 1988, as president/CEO from 1988 until 2000, and as a member of the board of directors until 2006 when control of the company was sold to Westview Capital Partners. In 2006, TriTech employed 105 people with annual revenues of \$22 million.

Maureen Mullarkey

Maureen Mullarkey is an entrepreneur-in-residence with NIREC.

Maureen served 18 years with IGT, holding a variety of financial management positions before retiring in 2007 from the company as executive vice president, CFO and treasurer (2003-2007). Maureen currently serves on the board of directors of NV Energy and Desert Research Institute, is chair of the Nevada Museum of Art, and is an advisory board member of the Community Foundation of Western Nevada.

Maureen holds an MBA from the University of Nevada, Reno and a Bachelor of Science in geology from the University of Texas, Austin

Lou Peoples

Lou Peoples is an experienced CEO and director in the energy industry, and a member of NIREC's TCAB.

Lou has more than 35 years of experience in the electric and gas energy industries. He has held senior positions as vice chairman of the board and CEO of Orange and Rockland Utilities Inc. (retired), chairman of the New York Power Pool, and executive vice president of Madison Gas and Electric Company. Earlier in his career, he held positions as senior vice president of RCG/Hagler, Bailly, a consulting company, and vice president of Bechtel Management Consulting Services

Lou is currently a director of NorthWestern Corporation, a director and member of the Executive Committee of the Center for Clean Air Policy, and an Executive Board member and vice president of marketing of the Nevada Area Council of the Boy Scouts of America.

Following graduation from Stanford University (BSME, NROTC), he served in the nuclear submarine service in the U.S. Navy – nearly seven years on active duty and another 24 years in the Navy Reserve; he retired with the rank of captain. After his active duty service with the Navy, Lou attended Harvard Business School, graduating with an MBA. He is a certified public accountant (retired status) and a registered professional engineer.

Ian Rogoff



Ian Rogoff is a trustee and the chairman of NIREC.

Ian is co-founder and general partner at Sierra Nevada Partners, an investment management company established to buy and grow sustainable businesses located in the Western United States. He is also an active angel investor in renewable energy.

Ian has diverse industry experience including software, discrete manufacturing, aerospace and energy. He was vice president of the Worldwide Partner Group at Microsoft Corporation, vice president of Enterprise Services at Microsoft, district manager for Systems Integration at Digital Equipment Corporation, and co-founder and president of Optimum Software, a privately-held software and consulting firm.

Ian holds a BS in electrical engineering from the University of Miami, an MS in industrial engineering from The Georgia Institute of Technology, a Master of Liberal Arts from Stanford University, and has completed an executive management program at Dartmouth College. He serves on the board of directors of a number of technology companies, nonprofit organizations and higher education institutions.

Steve Wells, PhD



Dr. Steve Wells is president of the Desert Research Institute and an ex-officio trustee of NIREC.

As president, Steve helped build DRI from a \$24 million per year operation in 1998, to greater than \$50 million currently. He is a graduate faculty member in the Hydrologic Sciences Program and Department of Geological Sciences at the University of Nevada, Reno. He serves on the boards of Research Parks, Ltd., Economic Development Authority of Western Nevada, Nevada Development Authority and Gathering Genius, Inc.

Prior to joining DRI in 1995, Steve was a professor of geomorphology and chair of the Graduate Program in the Department of Earth Sciences at the University of California, Riverside. Steve began his academic career at the University of New Mexico in 1976 and ultimately served as chair of the Department of Geology from 1989 to 1991.

Steve has a BS (geology) from Indiana University as well as an MS and a PhD in geology from the University of Cincinnati.

Peter Williams, PhD



Dr. Peter Williams is the CTO for IBM's Big Green Innovations unit and a member of NIREC's TCAB.

The role of IBM's Big Green Innovations unit is to identify environmentally focused businesses for the company to either participate in or develop. Peter is responsible for assembling, maintaining and developing the portfolio of businesses.

Peter is a management consultant with well over 20 years of experience bringing technology and business issues together to develop novel solutions and business models. A native of the United Kingdom, he has lived in the United States since 1999. His PhD was awarded by the School of Management at the University of Bath, England, in 1986.

Matt Woodhead, JD



Matt Woodhead is an attorney with Holland & Hart LLP, and general counsel to NIREC.

Matt has extensive experience in complex trust and business entity transactions. Matt lectures frequently on topics involving estate planning, family business planning and tax-exempt entities and has authored materials on advanced estate planning strategies, estate planning for retirement plans and IRAs, charitable remainder trusts and private foundations.

Matt graduated from the University of Nevada, Reno with a BS in business finance, and received a JD from McGeorge School of Law, University of the Pacific.