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Wil Agatstein



Wil Agatstein is the executive director of the Center for Entrepreneurship and a visiting assistant professor at the University of California, Davis, and a member of NIREC's TCAB.

As executive director, he is building the center's networks and strengthening its focus on building sustainable businesses that move science out of the lab and into the world. In the classroom, Wil strives to create responsible international business leadership through the international study trip and corporate social responsibility classes he leads

From his journeys through the developing world, Wil has come to believe in the power of technology to make the world a better place through economic development, education and helping people understand their culture in the context of modernity. He is a member of the board of Inveneo, a nonprofit that, along with its in-country partners, designs and delivers highly sustainable and affordable ICT solutions for organizations that provide vital services—education, healthcare, economic development—in rural and under-served areas in the developing world connect those who need it the most.

Wil has close to three decades of global experience in the competitive high-tech arena. Prior to joining UC Davis in 2008, he served as vice president at Intel and was the head of Intel's Emerging Markets Group. During his 27 years at Intel, Wil established a proven track record of production product innovation, including the start-up of Intel's chip design center in Malaysia and the creation of Product Definition Centers in Cairo, Sao Paulo, Shanghai and Bangalore. He is the creator and father of the Intel Powered classmate PC (aka: the \$100 laptop), a small, rugged, personalized laptop for children in the developing world.

Wil graduated Magna Cum Laude with a bachelor's of science degree in material science from Rice University. He holds several patents for advances in voltage regulation for microprocessors and integrated circuit packages.

Li Han Chan



Li Han is the director of operations for the Nevada Institute for Renewable Energy Commercialization (NIREC), a 501(c)3 nonprofit corporation clean energy accelerator. Focused on the rapidly growing clean energy sector (energy efficiency and renewable energy), NIREC provides seed funding and advisory services to early-stage companies and researchers from universities and research institutes in Nevada and the surrounding region.

With executive experience in Singapore, the United Kingdom and the United States, Li Han has spent almost 10 years immersed in various stages of technology commercialization—from defining user needs and technology prototypes to product marketing and sales to strategy development and fundraising. Li Han oversees NIREC's portfolio of companies and its signature Entrepreneur-in-Residence Program, a

venture assistance program that provides the business expertise, connections and strategies necessary to successfully and repeatedly accelerate clean technologies from the laboratory to the market.

Prior to joining NIREC, Li Han was a strategy consultant at Marakon Associates, a boutique top-tier management consulting firm in London, where she advised multinational clients in the oil and gas, energy, and hospitality industries on multi-million dollar strategies and issues.

Li Han started her career at Singapore Technologies Engineering—Singapore's largest defense and engineering company. As a sales executive and then a business development manager, Li Han was the bridge between engineers in Singapore and customers in the United States, United Kingdom, Australia and New Zealand, building strong industrial partnerships that eventually led to product sales.

Li Han currently serves as a commercial reviewer for the National Science Foundation's SBIR/STTR Program. She has also been involved with the Sierra Angels since 2009, heading up the group's continual improvement process with a focus on the selection and due diligence process for potential investment opportunities.

Li Han graduated with a BA from Stanford University.

James Croce



Jim Croce is the president and CEO of the Nevada Institute for Renewable Energy Commercialization (NIREC).

After a successful 15 year career across a spectrum of engineering, managerial and executive roles in the traditional natural gas and electric utility industries, Jim has spent nearly a decade successfully launching early stage clean energy companies and supporting their commercialization efforts.

From 2003 to 2008, Jim served as the founding president and CEO of NextEnergy in Michigan, developing the company into one of the nation's leading clean energy technology commercialization catalysts. While at NextEnergy, Jim successfully launched a clean energy technology seed fund whose portfolio companies have gone onto to raise tens of millions of both public and private capital from leading venture capitalists, such as CMEA Capital, GE, Khosla Ventures and Ridgewood Capital. In addition to his funding and commercialization support of early stage technology companies, Jim and his NextEnergy team successfully coached dozens of manufacturing companies to diversify into clean energy production, resulting in new orders exceeding \$100 Million from leading wind and solar OEMs. Jim also oversaw the creation of several successful technology commercialization consortia, including the U.S. DOE-funded National Biofuels Energy Laboratory and the U.S. DOD-funded Advance Mobile Microgrid Program, resulting in nearly \$50 million in government research and development funding.

At NIREC since mid-2009, Jim continues to advance clean energy commercialization by overseeing the funding of translational research and development activities of its research partners and early stage portfolio companies to effectuate successful launch and ongoing company capacity building. In addition, Jim provides guidance to a broad array of industry and government stakeholders to position the region and the nation to lead in clean energy innovation and project deployment.

Prior to accepting his current position at NIREC, Jim was president of the Lipten Energy Services, an engineering and energy project development firm located in Michigan. Prior to his leadership roles at NextEnergy and Lipten, he held positions at DTE Energy—one of the nation's leading electric utilities, MCN Corporation (subsequently purchased by DTE), ANR Pipeline Company (subsequently purchased by Transcanada Pipelines), and 3M.

Jim serves on Wayne State University's Engineering College Board of Visitors and its Electrical Engineering Industrial Advisory Council. In 2004, he was inducted into the university's Engineering Hall of Fame and one year later he was awarded TechTown Developer of the Year. In 2007, Jim received The Grant Thornton Leader and Innovator of the Year Award.

Jim was appointed by Michigan Governor Jennifer Granholm to three-year terms on the state's Strategic Economic Investment and Commercialization Board in 2005 and the Renewable Fuels Commission in 2006. He is co-founder of the Michigan Sustainable Energy Coalition, a renewable energy policy advocacy group, and has served on the board of directors of numerous nonprofit agencies.

Jim received a BS in electrical and computer engineering with honors from Wayne State University. His post graduate work was in business administration.

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.

David Garcia, JD



David Garcia is a partner at Holland & Hart, and is general counsel to NIREC.

He practices primarily in the fields of corporate and securities law and has extensive experience in venture capital financing transactions, mergers and acquisitions, and securities offerings. He has counseled both publicly and privately held companies in their corporate affairs and securities law compliance and has additional experience structuring corporate partnering transactions and technology development, distribution and licensing arrangements. His corporate clients have ranged from small startups to publicly traded corporations with billion-dollar market capitalizations. He has also represented an array of venture capital, private equity and angel investors in various types of investment and acquisition transactions.

David has lectured on topics ranging from initial public offerings and venture capital to mergers and acquisitions and buying and selling businesses. He has been recognized as one of Nevada's leading attorneys in the fields of corporate finance, securities and mergers & acquisitions in publications such as *Chambers USA: America's Leading Business Lawyers*, *The Best Lawyers in America*, *Super Lawyers* and the *Nevada Business Journal*.

He previously practiced with Wilson Sonsini Goodrich & Rosati and Venture Law Group in California's Silicon Valley, and with Hale Lane in Reno prior to its combination with Holland & Hart in 2008.

Davis is earned his bachelor's degree from Stanford University and graduated cum laude from Harvard Law School

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.

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, PE



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.

Nicola Kerslake

Nicola Kerslake is CFO at Atrasti Capital, LLC, and an Entrepreneur-in-Residence with NIREC.

Nicola has worked in Europe, Asia and the United States in investments and operational roles. In 2008, she co-founded Atrasti Capital, LLC, in Squaw Valley, California, where she serves as CFO. Prior to that, she was a private equity/real assets fund manager for SEI Investments for three years. As a hedge fund analyst at Monitor Group, she analyzed, recommended and purchased long and short stock ideas for four portfolios in energy and basic materials. She has also held several director and analyst roles.

An adept speaker, Nicola has presented at the NACUBO Endowment Management Forum, the 10th Annual Alternative Investing Summit, and IAEE conferences. She also authored the oil and gas, and petrochemicals chapters for *China Companies Handbook 2005*.

Nicola graduated from Howell's School, Llandaff, Wales and obtained her master's degree in politics, philosophy and economics with honors from Magdalen College, University of Oxford.

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.

Manoranjan Misra, PhD



Manoranjan Misra is the director of the Renewable Energy Center and a professor of materials engineering at the University of Nevada, Reno, and a member of NIREC's TCAB.

He conducts research in the following areas:

- -Photoelectrochemical hydrogen generation;
- -Hydrogen storage using CNT and titania composites;
- -Materials for high temperature nuclear reactors;
- -Nanotube and nanowire materials and devices
- -Boron nitride nanotubes;
- -Nanoporous materials;
- -Second generation nuclear waste-package design;
- -Corrosion of materials used in YMP;
- -Radiation detectors;
- -Arsenic removal;
- -Recycling Spent Nuclear Fuel; and
- -Biofuels: coffee grounds and nonfood materials

Mano holds 10 U.S. patents and he has been published 185 times. In 1996, he was named UNR Outstanding Researcher and two years later he was named Foundation Professor. He is the 2002 recipient of the Gunnerman Award for Excellence in Science & Technology.

Mano received his bachelor's of science in chemistry from Utkal University, masters in chemistry from Regional Engineering College, master's in metallurgical engineering from South Dakota School of Mines and doctorate in metallurgy from the University of Utah.

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.

Neal Smatresk, PhD



Dr. Neal J Smatresk was named President of the University of Nevada, Las Vegas on August 6, 2009. Since 2007, he has served as Executive Vice President and Provost, where he is responsible for leadership and administration of all academic and research programs, spanning 15 colleges and two professional schools. Following post-doctoral training at the University of Pennsylvania School of Medicine, he joined the University of Texas, Arlington (UTA) department of Biology in 1982. In his 22 years at UTA, he served as Chair of Biology and later Dean of Science, until his appointment as chief academic officer at the University of Hawaii at Manoa in 2004. During his tenure, the University of Hawaii at Manoa entered the ranks of the top 25 federally funded institutions, gained three National Academy of Science members, and received recognition from the Chinese Ministry of Education as a Confucius Institute, an honor shared by only 11 other U.S. institutions.

Dr. Smatresk has received a number of teaching awards, and his research in cardiorespiratory physiology has resulted in over 50 papers and book

chapters, and grants from the National Science Foundation and National Institutes of Health. As the chief academic officer of the University of Nevada, Las Vegas, Dr. Smatresk has led the efforts to forge a new strategic plan that commits to improving educational access and success for its diverse students, to provide regionally responsive research growth for the improvement and diversification of the Southern Nevada economic base, and to supply critically needed services for this rapidly growing region.

Dr. Smatresk received his Ph.D. in zoology from the University of Texas, Austin in 1980.

Steve Wells, PhD



Dr. Steve Wells is president of DRI 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.

Marc Wiseman, PhD



Marc Wiseman is vice president of clean and advanced technology for Ricardo US, and a member of NIREC's Technology Commercialization Advisory Board.

At Ricardo, he has executive responsibility for the firm's clean energy activities in the United States. The scope of his work includes both technical and strategic consulting to companies developing products in wind, solar, fuel cells and other alternative energy systems. His consulting group provides best practices in design for manufacture and assembly. These programs focus on product cost reduction and reliability improvements. Marc has significant experience in the product development process with a focus on enabling products to cross the commercialization divide.

Marc has 12 years of management experience for Ricardo in such areas such as design, CAE, advanced technology and hybrid technology. Additionally, for two years he worked in U.S. utility scale wind farm development, where he led negotiations with turbine vendors, such as GE, and was responsible for developing a portfolio of wind sites with a potential generation capacity of 2000mw.

Marc received a bachelors of science and PhD in mechanical engineering with a focus on thermo-fluids from Nottingham University, United Kingdom.

