

Greener Nano 2008 Speaker Bios

Dave Chen is the Founder Equilibrium Capital Group, an investment firm committed to building leading companies for a sustainable tomorrow. Dave's focus on sustainability is a result of his work in venture capital, regional economic development and energy policy. In August 2007, he formed Equilibrium Capital Group; an investment firm focused on growth equity investment opportunities in the area of sustainability. Most recently Dave was a general partner at OVP Venture Partners, joining the firm in 2001 and transitioning to venture partner in mid-2007. His investments at OVP include @once, Ambric, Intelligent Results, Net6, Tzero, and UXComm. He served on the board of @mobile prior to its acquisition by software.com, @Once prior to its acquisition by Info USA, and Net6 prior to its acquisition by Citrix. Until 2002 he served on the board of HNC Software



(NASDAQ:HNCS, now NYSE:FIC). Prior to OVP, Dave founded GeoTrust & The Ascent Group; was Vice President Marketing Mentor Graphics; was an associate at McKinsey & Co; and was an early team member in 1978 at Solectron. Dave serves as the Governor-Appointed Chairman of the Oregon Innovation Council, Chairman of the Oregon Nanoscience and Microtechnologies Institute (ONAMI), Board Member of the Federal Reserve Bank's Portland Branch, Board Member of the Oregon Investment Fund, Board Member of the Oregon Chapter of TiE, and Portland Public Markets, and past chairman of the Oregon Entrepreneurs Forum (2006). Dave is co-owner of Patton Valley Vineyards, committed to making the finest Oregon Pinot Noir based on sustainable vineyard practices. Dave received his BA in Biology from the University of California, Berkeley and his MBA from the Kellogg School of Management at Northwestern University.

Patricia (Patti) Glaza is the Executive Director/CEO of the Clean Technology and Sustainable Industries Organization. Her background includes extensive work in emerging technologies, business development, and strategic consulting. Prior to joining CTSI, Ms. Glaza was the Vice President and Group Publisher of Small Times, the leading global media group focused on micro, MEMS, and nanotechnology commercialization. Ms. Glaza served as the Chief Executive Officer prior to the company's acquisition by PennWell Corporation in late 2005. Before Small Times Media, Ms. Glaza was Director of Business Development, Marketing and Client Services at HealthMedia, a fast-growing technology and health management start-up company. Ms. Glaza also worked at Avalon Investments, a venture capital company focused on technology company financing. Ms. Glaza started her career as a consulting professional and manager in the logistics, business services and retail industry groups for Andersen Consulting (now Accenture). Ms. Glaza is a graduate of Michigan State University from the James Madison and Honor's Colleges with a Bachelor's Degree in International Relations and Economics. She earned a Masters in Business Administration from the University of Michigan, Ann Arbor.



Robert Hurt is Professor of Engineering at Brown University in Providence, Rhode Island and Director of Brown's Institute for Molecular and Nanoscale Innovation. He received a Ph.D. in chemical engineering from MIT in 1987 and before coming to Brown held posts at Bayer AG in Leverkusen Germany and Sandia National Laboratories in Livermore, California. He has received the Silver Medal of the Combustion Institute and the Graffin Lecture Award of the American Carbon Society. He current serves as an Editor for the materials science journal Carbon. His current research interests are in nanomaterials and their implications/applications in energy, environment, and health.



James Hutchison joined the faculty at the University of Oregon (UO) in the fall of 1994. He is currently Professor of chemistry. Dr. Hutchison and his research group design and make new functional materials, including nanoparticles and nanostructured surfaces. His specific research interests include preparation and study of nanoscale materials, surface and polymers, for applications such as nanoelectronics, biocompatibility and environmental remediation. He played key roles in developing the UO's nation-leading program in "green" (environmentally-benign) organic chemistry and designing the Materials Science Institute Graduate Internship Program in Semiconductor Processing. He is a member of the Oregon Nanoscience and Microtechnologies (ONAMI) leadership team, leads ONAMI's Safer Nanomaterials and Nanomanufacturing Initiative and also serves as associate vice president for research and strategic initiatives at the UO.



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Mark McCulloch has been part of the EHS (Environmental, Health, and Safety) staff at the Hewlett-Packard, Corvallis site for 15 years. He focuses primarily on industrial hygiene issues, which includes chemical, radiation, and laser safety. Mark is a Certified Industrial Hygienist.

Rajesh R. Naik is the Technology Advisor of the Nanostructured and Biological Materials Branch (Materials and Manufacturing Directorate) and the Biotechnology Direction Lead for the AFRL/RX Biotechnology Program. His research group focuses on biomimetic materials and sensors and bionanotechnology. He received his PhD degree in Molecular and Cellular Biology at Carnegie Mellon University in 1998 and was a Howard Hughes Fellow at the Center for Advanced Medicine and Biotechnology (1998-1999). His honors and awards include the Air Force Outstanding Scientist (2007), Air Force Civilian Achievement Award (2005), Air Force Office of Scientific Research Star Team (2005-2007) and Ohio's 30 in their 30's in Biosciences. Rajesh has authored over 85 peer-reviewed papers and has several patents. He is currently an adjunct Professor at Wright State University (Biochemistry and Molecular Biology Department) and at Georgia Tech (Department of Materials Science and Engineering).



Lee Pullan joined FEI Company in January 2007 as a Senior Applications Engineer in the NanoBiology division. She received her Ph.D. in Structural Virology from the University of Warwick (2002) and postdoctoral training in Structural Biology, specifically TEM (transmission electron microscopy), from Birkbeck, University of London (2002-2003) and The University of Texas Health Science Center at Houston (2003-2006). During both of her postdoctoral positions, Lee was an FEI Company customer and used a number of their TEM instruments. Lee has extensive experience in protein and virus purification as well as 3D structural determination using the biophysical techniques of X-ray crystallography and electron microscopy. Her knowledge of electron microscopy includes single particle analysis and electron tomography at both room temperature and under cryo conditions.



Robert Tanguay is an Associate Professor in the Department of Environmental and Molecular Toxicology, the Director of the Sinnhuber Aquatic Research Laboratory, and the Director of the NIEHS Toxicology Training Grant. He received his PhD in Biochemistry from the University of California-Riverside (1995) and postdoctoral training in developmental toxicology from the University of Wisconsin-Madison (1996-1999). Over the past 11 years he has exploited the molecular and genetic advantages of zebrafish to define the molecular mechanism by which chemicals and drugs adversely affect vertebrate development and function. His group has demonstrated that embryonic zebrafish are well-suited to rapidly evaluate in vivo nanomaterial/biological interactions.



Paul G. Tratnyek is currently Associate Professor in the Department of Environmental Science and Engineering at the OGI School of Science & Engineering of the Oregon Health & Science University. He received his Ph.D. in Applied Chemistry from the Colorado School of Mines in 1987; served as a National Research Council Postdoctoral Fellow at the U.S. Environmental Protection Agency Laboratory in Athens, GA, during 1988; and as a Research Associate at the Swiss Federal Institute for Water Resources and Water Pollution Control (EAWAG) from 1989 to 1991. His research concerns the pathways, kinetics, mechanisms, and other fundamental, molecular aspects of the reactivity of organic substances in the geochemical environment. Since 1992, when he joined the Waterloo University Solvents-In-Groundwater Research Programme, Dr. Tratnyek has lead research on the chemistry of permeable reactive barriers containing zero-valent iron (<http://cgr.ese.ogi.edu/iron>). He co-organized the first symposium on contaminant remediation with zero-valent metals (Anaheim, CA, April 1995) and the first major symposium on the environmental fate of fuel oxygenates such as MTBE (San Francisco, CA, April 1997).

