



Duane E. De Freese, Ph.D.

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Dr. De Freese is a marine biologist with a B.S. degree in Zoology from the University of Rhode Island (1976) and M.S (1982) & Ph.D. (1988) degrees in Marine Biology from Florida Institute of Technology. He also holds special course certificates from the Roy E. Crummer Graduate School of Business, Rollins College (Management, 2002); Duke University, School of the Environment (Conservation Land Acquisition, 1991); and Marine Biological Laboratory at Woods Hole, MA (Mariculture, 1983).

Dr. De Freese is the Sr. Vice President of Science and Business Development for AquaFiber Technologies Corporation in Orlando, FL. AquaFiber is working at the intersection of clean water, renewable energy and human health. AquaFiber is revolutionizing water remediation using AquaLutions™, a patent-pending technology that removes phosphorus, nitrogen, plus many other harmful pollutants from surface waters. The company's first commercial-scale project is on Lake Jesup, FL working with the St. Johns River Water Management District under a 5-year 'pay-for-performance' contract.

Dr. De Freese has worked for over three decades in Florida to educate people about economic and environmental values associated with the protection of Florida's land, freshwater and marine natural assets. He is recognized nationally for his efforts to promote ocean and coastal scientific research, conservation and technology development in Florida. In 2010, Dr. De Freese was a keynote speaker at the High-Impact Technology Exchange National Conference focused on Educating America's Technical Workforce. In 2011, Dr. De Freese was appointed to the Clean Technology Industry Cluster Florida Task Force created by Workforce Florida Inc. to support growth and transformation within Florida's clean tech industry cluster.



Robyn Dowsey manages the Sustainable Design and Construction Department for Wharton-Smith, Inc., and is also a LEED® Accredited Professional with specialties in Green Building Design and Construction and pursuing additional certification in Existing Building Operation and Maintenance. Robyn currently sits on the Board for the Central Florida chapter of the US Green Building Council and is an education course reviewer for USGBC National. Robyn is currently pursuing a Masters Degree with the San Francisco University of Architecture in Sustainability. Robyn has 16 years in the construction industry and has worked extensively in the Design Build environment. Robyn is a licensed Storm Water Pollution Prevention inspector/instructor and holds the following affiliations:

USGBC – CF Board of Directors

Central Florida Energy Efficiency Alliance (Mayoral Campaign) – Board of Directors

Myregion. Org – Board of Directors

Associated Builders and Contractors

OSHA

Certifications:

Energy Modeling

SWPPP

Low Impact Development

Indoor Air Quality

Building Envelope

Robyn has more than 16 years of experience in construction planning, management and project delivery. Robyn is very involved in providing support and education to the Central Florida Community. Robyn works with the community, helping them to better understand sustainable concepts and delivery methods focusing on integrated project delivery, indoor air quality and how to maximize, analyze and implement sustainable technologies. Some examples are:

1. Teach-Ins – Robyn has been very active working with ASHREA and other organization on donating her services to go to the K-8 schools in the area talking to the students about recycling, carbon and water savings and how it affects them in their everyday lives
2. Presentations – Robyn is frequently asked to do presentations for manufacturers, local organizations, higher education facilities and other construction industry professionals on topics ranging from construction waste management, to integrated design techniques. Robyn rarely accepts reimbursement for these services but when she does those service fees have been donated to the local chapter of US Green Building Council.

3. Sustainable Florida – Robyn is active in the Tim Collins Center and regularly attends Sustainable Florida meetings.
4. Robyn through the generosity of her current firm has been allowed to use Wharton-Smiths training center to host free lunch and learn events all focused on varied concepts of sustainability. These events are attended by local designers, engineers, subcontractors, construction managers, building owner and others.

Robyn is mother of young children, and works with the local school districts on earth day events and other educational based sustainable practices. Passion is education and helping the school districts implement ideas and technologies.

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SCOTT FARIS
CHIEF EXECUTIVE OFFICER
PLANAR ENERGY

Mr. "Scott" Faris, Chief Executive Officer - Scott Faris is a serial entrepreneur with almost two decades of operating, venture-financing and commercialization experience, involving more than 20 start-up and emerging-growth technology companies. As founder and CEO of Planar Energy, a spinout of the U.S. Department of Energy's National Renewable Energy Laboratory, he is responsible for establishing and executing the company vision and direction across all functional areas, including business strategy, product development, and sales and marketing.

Mr. Faris had been chairman and CEO of Waveguide Solutions, a developer of planar lightwave circuit and microsystem products that was a spinout of the University of North Carolina, Charlotte. He also was a founding director and COO of Ocean Optics, a precision-optical-component and fiber-optic-instrument spinout of the University of South Florida with a proprietary technology to pattern thin-film filters. Mr. Faris was previously a partner with Corporate IP Ventures (formerly MetaTech Ventures), an early-stage venture fund that commercialized defense technologies, and was the founder and CEO of Enterprise Corporation, a technology accelerator that raised more than \$50 million in capital for new and existing technology firms through a private investment forum. He also has served as director of the Florida Seed Capital Fund and as director of Technology Commercialization at the Center for Microelectronics Research.

Mr. Faris sits on the Board of Directors for the Greater Orlando Chamber of Commerce, Metro Orlando Economic Development Commission and the Florida High Technology Corridor Council.

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DR. JAMES FENTON
DIRECTOR, FLORIDA SOLAR ENERGY CENTER
PROFESSOR, MECHANICAL, MATERIALS AND AEROSPACE ENGINEERING
UNIVERSITY OF CENTRAL FLORIDA



Education:

Ph.D. - University of Illinois, Urbana-Champaign, 1984
M.S. - University of Illinois, Urbana-Champaign, 1982
B.S. - University of California, Los Angeles, 1979

Dr. Fenton has been Director of the Florida Solar Energy Center since January, 2005, following more than 20 years with the University of Connecticut.

Research Focus:

James M. Fenton has been Director of the University of Central Florida's (UCF) Florida Solar Energy Center (FSEC) since January 2005, where he leads a staff of 140 in the research and development of energy technologies that enhance Florida's and the nation's economy and environment and educate the public, students and practitioners on the results of the research. FSEC, created in 1975 by the Florida Legislature to serve as the state's energy research institute, is the nation's largest and most active state-supported renewable energy and energy efficiency research institute. In addition to his duties as FSEC Director, he leads a 12-member university and industry research team in a \$19 million U.S. Department of Energy research program to develop the next generation proton exchange membrane (PEM) fuel cell automobile engine. Dr. Fenton also serves as a Professor in UCF's Mechanical, Materials and Aerospace Engineering Department.

Prior to joining FSEC, he spent 20 years as a Chemical Engineering Professor at the University of Connecticut. Dr. Fenton's research activities in fuel cells, pollution prevention and sustainable energy are helping FSEC expand its nationally acclaimed research and education programs in hydrogen, alternative fuels, solar energy and buildings energy efficiency. He received his Ph.D. in Chemical Engineering from the University of Illinois in 1984 and his B.S. from UCLA in 1979. He is the author of more than 120 scientific publications and a number of book chapters and holds three patents. He was recently elected as Fellow of The Electrochemical Society and Governor Crist appointed him as a member of the Florida Governor's Action on Energy and Climate Change.

James M. Fenton, Ph.D. (Panelist)
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S. HASEEB QADRI
PRESIDENT & CEO
NOVASOL ENERGY

Haseeb Qadri is a successful serial entrepreneur who has broad business development experience in infotech, healthcare consultation, financial services, venture capital, and non-profit sectors. Haseeb started his financial services company, H & H Equities LLC, catering to the market needs of hedge funds and independent money managers. Under his leadership, H & H Equities produced revenues of over \$1 Million within its first year and achieved profitability within its first six months of operations. His firm went on to partner with E*Trade Professional, a subsidiary of E*Trade Financial. Prior to starting H & H Equities, Haseeb was a money manager and mentored groups of traders at a small boutique firm. He has also advised private individuals on technology, biotechnology, and healthcare industry trends and opportunities for investments.

Preceding his financial services trek, Haseeb started Infinity Computer Technologies (ICT) which provided technology solutions for educational, healthcare facilities, and mid-sized businesses. Haseeb majored in Computer Science at the University of Central Florida (UCF), with an interest in AI and network topologies, and minored in International Relations at the prestigious Rollins College in Winter Park, Florida. He is fluent in Urdu (major dialect in India and Pakistan).

Haseeb is currently the CEO and Founder of NovaSol Energy. NovaSol Energy, based in Orlando, is an emerging independent, virtual, renewable energy company focused on providing renewable energy to investment grade commercial and municipal utility customers. Our company develops, owns, and operates solar energy generation facilities at customer locations and sells the energy generated via power purchase, or equivalent, agreements (PPAs, RSAs, or EESAs). NovaSol is also in the process of developing a smart-grid technology solution (communications and control system) which is in very early stage stealth development at the University of Central Florida (UCF). The eventual intended application for our 'smart-grid' technology solution is game changing and was dubbed as 'the holy grail' by a former utility executive. We are focused on building NovaSol as THE leading next generation energy company. NovaSol has an accomplished team with over 65 years of utility and 30 years of solar experience. Our VP of Utility Operations was a former FPL President and responsible for the development and maintenance oversight of two 80 MW SEGS (facilities 8 & 9: http://en.wikipedia.org/wiki/Solar_Energy_Generating_Systems) at Harper Lake, CA. Haseeb also serves on the Board of the Florida Alliance for Renewable Energy (FARE), a grassroots organization working to promote policies to develop a free-market clean energy economy by encouraging: competition, innovation, and entrepreneurship in the sector.

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PETER ROTHSTEIN

PRESIDENT

NEW ENGLAND CLEAN ENERGY COUNCIL

Peter is President of the New England Clean Energy Council and has many years of venture, entrepreneurial, executive and deal experience across the cleantech venture market. Previously, Peter was part of the Flagship Ventures team, a leading seed and early stage venture capital firm in Cambridge Massachusetts, and founder of Allegro Strategy, a consultant, advisor and interim executive with early-stage cleantech start-ups. Peter has been in early-stage deal or executive roles with a number of cleantech companies, including Mascoma, Planar Energy Devices, Ze-gen, Novomer, Boston-Power, and Mechanology. Peter is actively involved in a range of leading cleantech and entrepreneurial organizations, including the National Renewable Energy Lab's VC Advisory Board, catalyst to MIT Deshpande Center solar and energy storage MIT projects, and a Board member of the Cleantech Open.

Peter Rothstein

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DR. SVETLANA SHTROM
DIRECTOR, TECHNOLOGY COMMERCIALIZATION
OFFICE OF RESEARCH AND COMMERCIALIZATION
UNIVERSITY OF CENTRAL FLORIDA

Dr. Svetlana Shtrom is currently directing the commercial development of technologies at UCF's Office of Research & Commercialization. Svetlana has over 11 years of experience in business development and technology management with expertise in life sciences. She has broad experience in the structuring and negotiation of collaborative partnerships, strategic planning, market assessment, technology evaluation, and intellectual property management. Svetlana's business development experience includes leadership roles in academia, government, and industry. Prior to joining UCF, she consulted for biotechnology companies and venture capital firms in business growth and technology evaluation. Also previously, she managed business development at several emerging biotechnology companies focused on development and manufacture of clinical diagnostics. Before working in biotechnology industry, she was a Technology Transfer Specialist at the National Cancer Institute (NCI) where she facilitating partnerships with industry, academia and non-profit organizations.

Svetlana holds an MBA from UCF. She was a postdoctoral fellow at the National Institutes of Health, and received a Ph.D. in cell biology from the University of California at San Francisco and a B.S. in molecular genetics from the Ohio State University.

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SHELLY WEIDENHAMER
DIRECTOR, BUSINESS DEVELOPMENT - ENERGY
METRO ORLANDO ECONOMIC DEVELOPMENT COMMISSION

As Director of Business Development, Shelly is responsible for marketing the Metro Orlando region to prospects and providing assistance to clients considering relocation or expansion. Her primary area of focus is energy and clean technology.

Shelly has over 20 years of experience in economic development in the private, as well as, public sector. Prior to joining the EDC, she served as vice president for Real Trend Inc. As a veteran in the economic development industry, Shelly's background in the public sector includes: experience creating and implementing economic development strategic plans that involved the development of major industrial; office and retail projects; main street redevelopment plans; incentive programs; BRAC reuse and realignment strategies; comprehensive planning; and reengineering land development processes. In the private sector, Shelly has experience in both commercial and residential real estate.

Shelly is a member of the International Economic Development Council, CoreNet Global and the National Network of Clean Energy Innovation Organization. She is actively involved in Central Florida serving on the LSCC BRC Advisory Board, BankFirst Socially Responsible Banking Program, the Eustis Chamber of Commerce Board of Directors, and a number of economic development committees throughout the region

Education:

B.S., International Business Management, Hampton University

A.A., Accounting, Steven's Henegar College of Business

Graduate, National Trust Leadership Training

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