



2013 Energy Efficiency Forum Speaker Bios



Matthew Berbée
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Matthew Berbée serves as the Director of Maintenance Management and Energy Services at the California Institute of Technology. He manages the business processes of the campus preventative and demand maintenance programs, the maintenance management system, the facilities service center, and the Caltech Energy Conservation Investment Program (CECIP). His responsibilities also include management of the campus energy retrofit and LEED (Leadership in Energy and Environmental Design) for Existing Building programs.

Prior to joining Caltech, Matthew worked as the Energy Manager for the NASA Jet Propulsion Laboratory. Matthew is a Certified Energy Manager with an extensive background in building automation controls. He holds a Masters in Business Administration from Pepperdine University and a Bachelors of Science in Mechanical Engineering from California State Polytechnic University Pomona. Matthew is also a member of the California Commissioning Collaborative Advisory Council.



John Onderdonk
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John Onderdonk serves as the Director of Sustainability Programs at the California Institute of Technology where he is responsible for strategic planning to improve environmental performance in the areas of energy, climate, water, waste, supply chain, transportation and building infrastructure.

Prior to joining Caltech, John worked in the environmental risk management field serving as the Southwest Regional Manager for AIG Environmental where he developed liability transfer programs for Brownfield redevelopment clients. John has also worked as an environmental consultant helping corporate clients integrate sustainability into their business practices and address environmental regulations.

John holds a Masters in Corporate Environmental Management from the Donald Bren School of Environmental Science and Management at the University of California, Santa Barbara and a Bachelors of Science in Environmental Science and Economics from the University of Oregon. John is a Certified Carbon Reduction Manager and a LEED Accredited Professional. John is a member of the 21st Senate District's Sustainability Advisory Council and serves on the Board of Directors of the University of Oregon Alumni Association.



Matt Brewer
Controller,
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Matt Brewer is Controller at California Institute of Technology in Pasadena, California, where he oversees much of the institution's financial accounting functions, including reporting, gifts and endowments, and student accounts. Prior to joining Caltech, Matt worked a Manager at the accounting firm PricewaterhouseCoopers, where he specialized in not-for-profit entities.

Matt is a Certified Public Accountant, received his B.A. in Government from Pomona College, and his MBA from Pepperdine University.



Tom Shaffer
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Tom Shaffer is the Energy & LEED-EBOM Program Manager at the California Institute of Technology and oversees the implementation of the Caltech Energy Conservation Investment Program, and existing building commissioning efforts. Prior to joining Caltech, Tom worked for EMCOR Government Services as the Energy Manager for the NASA Jet Propulsion Laboratory and as Plant Engineer at Harvey Mudd College.

Tom is a Registered Professional Engineer, Certified Energy Auditor, and LEED Green Associate. Tom also holds a Master's degree in Business Administration from Rutgers School of Business and a Bachelors of Science degree in Mechanical Engineering also from Rutgers University.



Ken Hargreaves
Senior Director, Design and
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Ken Hargreaves joined the California Institute of Technology (Caltech) in February 2008. He is responsible for campus master planning, the capital building program including new construction and renovation, and space information management. The Caltech campus is comprised of 125 acres and 4 million square feet of buildings. Caltech has an aggressive capital renewal plan that includes the construction of new buildings, complete building renovations, and construction of new science laboratories in existing buildings.

Prior to Caltech, Ken was the Director of Operations, New Construction with the Los Angeles Unified School District (LAUSD) from December 2004 to February 2008. He was part of the senior management team that ran the \$12 billion new school building program. In that role he led the design management, program controls, and community outreach groups among other duties. During his tenure, the new construction team completed over 40 new school campuses and was on track to build 135 new schools throughout LAUSD by 2012.

Ken spent the 12 years prior to LAUSD as part of the Navy Civil Engineer Corps where he managed facilities, maintenance, construction, design, procurement, and real estate associated with Navy and Marine Corps bases worldwide.

Ken has earned a bachelor's of science degree in electrical engineering and a master's in environmental science and engineering from the University of Florida, as well as an MBA from the University of West Florida. Ken is a project management professional and a LEED accredited professional in Building Design and Construction.



Matt Gudorf
Campus Energy Manager,
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Matt Gudorf has led UC Irvine's energy management group for the last 3 years. The culmination of his leadership has been record breaking energy efficiency project completion under the UC/CSU/IOU Energy Efficiency Partnership in 2012. Matt's work as the Campus Energy Manager has focused on all aspects of energy management including, energy procurement, self-generation, renewable generation, energy efficiency, and life cycle energy impact from new construction. His commitment to sharing his team's best practices and lessons learned with the greater community has helped raise the profile of professional energy management and challenge peer institutions to follow in UC Irvine's footsteps.



Charlie Fletcher
Executive Vice President and
Founder, EMCOR Services/Mesa
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Charlie Fletcher is the Executive Vice President and Founder of EMCOR Services/Mesa Energy Systems. By keeping Mesa on the cutting edge of today's technology, Charlie enables the firm to consistently provide its clients with the very best in service delivery methodologies and innovative ideas, while obtaining maximum return on their facilities investment. To achieve this, he maintains a continuous dialogue with key clients, knowledgeable engineers and industry experts.

Charlie earned his bachelor's in mathematics at the State University of New York, Cortland. He holds a California contractor's license and is a member of the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE), the Association of Electrical Engineers (AEE), the Building Owners and Managers Association (BOMA), the Institute of Real Estate Management (IREM), the United States Green Building Council (USGBC), the International Facilities Managers Association (IFMA), the Mechanical Contractors Association (MCA), and the Sheet Metal and Air Conditioning Contractors National Association (SMACNA). He is a LEED Accredited Professional.



Tom Bowen
Regional Director, Energy and Facility
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Tom Bowen holds the position of Regional Director, Energy and Facility Services at McKinstry. Tom brings 20 years of history in the Energy Business, with experience in general management, business development and growth strategies, and project implementation. As a native Californian, Tom's responsibilities have been both in CA and nationwide, and he is now focused on building McKinstry's team locally.

His expertise has supported many successful teams throughout the country during the last 20 years. With an emphasis on performance contracting and renewable energy, Tom has lead businesses focused on enhancing schools, colleges, universities and hospitals. Tom is motivated to provide clients with innovative solutions focused on reducing their utility and operational costs through various energy services offerings, and improving their environment for all their building occupants.

Tom has had the opportunity to be involved with many interesting projects throughout the country, from small school districts and cities to large distributed energy plants. He also served as a Board Member for NAESCO, which represents many firms that provide energy conservation products and services, including many of the ESCOs that serve the U.S. and abroad.



Glenn Friedman
Principal, Taylor Engineering
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Glenn Friedman is a Principal at Taylor Engineering, a renowned mechanical consulting firm in Alameda, California. Glenn is an expert in low energy HVAC design, controls and commissioning. Glenn has a bachelor's degree in engineering from the University of California, Berkeley and is a Professional Engineer in the State of California. Glenn is involved American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE), is an ASHRAE Fellow and has participated on the local and national level. Glenn is the currently the Chair of ASHRAE Standard SPC-203 Method of Test for Determining Heat Gain of Office Equipment Used In Buildings, he is the Secretary of ASHRAE Standard 100 Energy Efficiency for Existing Buildings and he is the ASHRAE Program and Standards Chair for TC4.1 Load Calculations. Glenn is a certified balance professional and is a US Green Building Council (USGBC) LEED® Accredited Professional.



Tracy Marcial
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Tracy Marcial is a Senior Engineer at Taylor Engineering, a mechanical consulting firm in Alameda, California. She holds a BS degree in Mechanical Engineering from the University of California, Los Angeles and an MS degree in Engineering Management from Santa Clara University. She has worked in the HVAC and energy efficiency industry for 20 years with extensive experience in design, commissioning, retrocommissioning, building energy analysis using simulation programs and spreadsheets, measurement and verification, energy auditing, and lifecycle cost analysis. Ms. Marcial has worked on many types of facilities including commercial buildings, schools and universities, laboratories, clean rooms, hospitals, residential and warehouse facilities. Ms. Marcial combines practical field experience, excellent engineering fundamentals, and a focus on minimizing energy usage while maintaining comfort to design and commission HVAC systems for a wide variety of projects.



Holly Carr
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Holly Jamesen Carr is a fellow in the Building Technologies Office of the U.S. Department of Energy, where she works with corporate and higher education partners in the DOE's Better Buildings Challenge, showcasing their efforts to reduce energy use across their building portfolios by 20% over 10 years. Previous to her work at DOE, Ms. Carr managed dozens of public, private and federal sustainability projects, assisting clients to implement environmentally preferable strategies for building design, construction, and occupancy. Ms. Carr has a Master of Science degree in Communication from the University of Washington, as well as degrees in French and Education from Miami University. She is a LEED accredited professional.



Coomy Kadribegovic
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Coomy Kadribegovic, LEED AP BD+C, EB:OM has more than 14 years of experience implementing and researching sustainable design and operational technologies for academic, transportation and residential buildings throughout the US. Coomy provides sustainability services during all stages of design and construction. Coomy has conducted workshops on sustainability concepts and their incorporation into projects with different team members. She has provided climate action plans, carbon studies, developed sustainable operational policies and procedures and full life cycle cost analysis, conducted sustainability design, feasibility analysis, and contractor workshops. She is also a USGBC LEED reviewer. She has presented at several venues on green technologies, their costs and life cycle cost implications. Coomy's expertise lies in multi-building and campus projects, working with campus wide and building specific issues as they relate to different building types, particularly laboratory and academic buildings.

Currently, Coomy is providing program management services for sustainability and design management to the Los Angeles Community College District. In this role, Coomy oversees execution of the program's sustainable policies, design execution at three of the nine community college campuses and facilitates change management in operations and maintenance for green buildings on the campuses.



Gail Hampsmire
Technical Director, Energy/VNAC
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Gail Hampsmire is a mechanical engineer, and has served as the Technical director of the Energy/HVAC team for GBCI for the past two years. Prior to joining GBCI, she worked for over twelve years in the consulting industry doing energy modeling, energy audits, commissioning, retrocommissioning, and sustainable design assistance. She has taught ASHRAE and IBPSA courses on energy modeling, and has been reviewing LEED documentation submittals for more than 10 years. Her roots are in Southern California where she graduated from Harvey Mudd College.
