

Mr. Jesus Santos Egea

Engineering Director
Abengoa

Responsible for analyzing and evolving the methodology and organization of the company in the execution of projects. Responsible for overseeing ongoing projects in the Energy and Water business. Responsible for leading critical technical points for the company.

Concentrated Solar Power 600MWe Dewa, United Arab Emirates. Integrated Solar Combined Cycle 1290 MWe WAS, Saudi Arabia. Waste to Fuel Fulcrum, USA. Desalination Plant 250.000m³/day Suaibah, Saudi Arabia. Desalination Plant 130.000m³/day Salalah, Oman.

Mr. Jeremy Fetvedt

Chief Engineer
8 Rivers Capital

Jeremy is the Chief Engineer at 8 Rivers Capital and one of the co-inventors of the NET Power technology.

Dr. John Gülen

Senior Principal Engineer
Bechtel Infrastructure & Power, Inc.

Dr. John Gülen is an internationally recognized expert in steam and gas turbine combined cycle systems and thermal power plant engineering with numerous patents and publications to his credit. He is the author of Gas Turbines for Electric Power Generation (Cambridge University Press, 2019).

Dr. Gülen's contributions in the field include development of heat balance software at Thermoflow, Inc., design, optimization, and testing of combined cycle systems with FB and H class gas turbines at General Electric, and technology development and assessment including carbon capture and sequestration at Bechtel.

He was named an ASME Fellow in 2015, and a Bechtel Fellow in 2018.

Dr. Gülen received his PhD degree in Mechanical Engineering from Rensselaer Polytechnic Institute (1992) and is a licensed professional engineer.

Dr. Timothy Held

Chief Technology Officer
Echogen Power Systems

Dr. Timothy Held is the Chief Technology Officer at Echogen Power Systems, where he is responsible for development, maturation and transition to product of the supercritical CO₂ power cycles and energy storage systems. Prior to joining Echogen in 2008, Dr. Held was with GE Aviation for 13 years, where he led the Commercial Engine Combustor Aero Design group, the Industrial Aeroderivatives Combustor Aero Design group, and was the technical leader for alternate fuels research and evaluation.

Dr. Held received his Undergraduate degree from Purdue University in 1987, and his Ph.D. degree in Mechanical and Aerospace Engineering from Princeton University in 1993, in the area of combustion chemical kinetics. He has published several technical journal articles, including chapters in the AIAA book "Combustion Instabilities in Gas Turbine Engines" and "Power

Engineering: Advances and Challenges, Part A: Thermal, Hydro and Nuclear Power". He presently holds 41 issued U.S. patents, with several additional in process.

Dr. Chan Sun Lim

Vice President – Business Development
Hanwha Power Systems

Dr. Chan Sun Lim is the Vice President of Business Development at Hanwha Power Systems. In this role he is responsible for the commercialization of new products, including sCO₂ power systems. He has led the development of new energy related equipment (compressors and expanders) for various applications since 2014. Previously he developed aero-engines and APUs for various applications (1996~2013). He also holds a Ph.D. in Mechanical Engineering.

Dr. Robert Pitz-Paal

Director-German Aerospace Center DLR
Solar Research Institute

Prof. Dr.-Ing. Robert Pitz-Paal is one of the two directors of DLR Solar Research Institute with more than 150 members of staff located in Cologne, Stuttgart, Jülich, Germany and Almería, Spain. This is the largest research institution in Germany working in the field of concentrating solar technologies. This position is jointly assigned with a professorship at Aachen University. In 2008 he was also visiting Professor at the ETH in Zurich. His main research areas are the technical analysis and optimisation of concentrating solar power systems for generating electricity and producing fuel. He serves as associate editor the Journal of Solar Energy and is the chairman of the SolarPACES (Solar Power and Chemical Energy Systems) technology Cooperation Programme of the IEA. He is also member of the board of the German Industry Association of CSP (DeutscheCSP). Pitz-Paal received the Farington-Daniels Award of the International Energy Society in 2017.

Mr. Don Stevenson

Vice President – Energy Supply & Conversion
Gas Technology Institute

Don Stevenson is currently Vice President, Energy Supply & Conversion, at Gas Technology Institute (GTI). He is responsible for GTI's research, development and demonstration programs in the energy supply and conversion sector, managing a talented team located in Illinois and California who are focused on increasing the affordable and environmentally acceptable application of hydrocarbon energy resources. This portfolio of technologies includes optimization of environmental performance and productivity of hydraulic fracturing production; development and demonstration of supercritical CO₂ power cycle technology; commercial demonstration of more efficient gasification and partial oxidation processes; development of pressurized oxygen combustion technologies for power and chemical conversion processes; sorbent enhanced hydrogen reforming process development; advanced biofuels production and CO₂ capture and utilization technology development. Mr. Stevenson received a Bachelor's Degree in Aeronautical & Astronautical Engineering from the University of Washington in

Seattle, WA and a Masters in Business Administration from Pepperdine University in Culver City, CA.

Dr. Zuo Zhi Zhao

Chief Technology Officer
Siemens Gas and Power

Dr. Zhao joined Siemens in March 2009. Over the years he has held the following posts: Component Design Group Lead in Gas Turbine Components; Program Manager Gas Turbine Technology, Development of Advance Design Methods; Head of the Gas Turbine R&D team in China; General Manager of the Gas Turbine Unit in China, involving development of the Gas Turbine Collaboration Model, support for the new Sales setup, Large Gas Turbine and Generator Licensing and Subcontracting Business, Large Gas Turbine Project Management, and Technology and Innovation activities in connection with the Power and Gas Division in China. From 2005 to 2009 he was employed at the GE Global Research Center in Niskayuna, New York. He collaborated closely with GE Aviation, GE Energy and the Boeing Company on various projects relating to the Design, Manufacturing and Inspection of Aero Engine, Gas Turbine and Aircraft components.

Dr. Zhao obtained a PhD in Mechanical and Aerospace Engineering from Arizona State University and a BS and MS in Mechanical Engineering from Tsinghua University in Beijing.