

Water and Energy Workshop

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Hamad bin Khalifa University Student Center

Doha, Qatar

Speaker Profiles



Dr. Patrick Linke

Texas A&M University at Qatar

Dr. Patrick Linke is a Professor and Program Chair of Chemical Engineering at Texas A&M University at Qatar and the Managing Director and co-founder of the Qatar Sustainable Water and Energy Utilization Initiative (QWE), a centre of excellence for research and capacity building at Texas A&M University in Education City. He is also a member of the Executive Board and the Chief Engineer of the Qatar National Food Security Programme (QNFSP) in the Office of the Heir Apparent. Dr. Linke is a process systems engineer and his activities focus on the design of efficient processes, integrated systems and associated infrastructures, and as a member of the Executive Board and the Chief Engineer of the Qatar

National Food Security Programme (QNFSP) in the Office of the Heir Apparent from 2009-2014.

Dr. Linke is a process systems engineer and his activities focus on the design of efficient processes, integrated systems and associated infrastructures. He regularly serves on numerous national and international committees. He obtained his Doctor of Philosophy, University of Manchester, 2001, Master of Science, University of Manchester, 1997, and Diplom-Ingenieur, University of Applied Sciences, Cologne, Germany, 1996.

Dr. Linke's areas of interest include: Process integration and design, process systems engineering and optimization, decision-making and complex problem-solving, efficient utilization of natural resources (energy, water and raw materials), sustainable process design and operation, and computer-aided technologies for chemical process design and optimization.

He currently leads research into innovating desalination process designs with a focus on membrane-based systems, the optimal use of renewable forms of energy in desalination, desalination infrastructure planning, the efficient use of energy in industrial zones, the synthesis of novel materials for power generation from alternative energy sources, and the development of tools to minimize environmental impacts from industrial activities.