

Hideo Nomoto

Position/Department/Division/Institution/Organization

Chief Fellow, 8Rivers Capital LLC

Country

Japan

Career history

Hideo Nomoto joined Toshiba Corporation in 1979, and worked there for 37 years. In 2015, he joined 8 Rivers Capital LLC. During his 40 year career, he worked extensively in the power generation industry. Dr. Nomoto's major accomplishment and contribution to this industry has been the design, research and development of steam and gas turbines. In addition he spent several years in the research and development of rotor dynamics, cooling technologies for gas turbines, and long moving blades for steam turbine. Dr. Nomoto was one of the major designers of Ultra Super Critical Steam Turbines (high pressure, high temperature steam turbine) in the 1980s and 1990s, 1350MW class nuclear steam turbine, and others. From the early 2010s, Dr. Nomoto has taken leadership in the research and development of combustor and turbine for the innovative semi-closed Super Critical Carbon Dioxide cycle, known as the Allam Cycle being developed by NET Power.

Education

Doctor of Engineering; The University of Tokyo, 1979

Master of Engineering; The University of Tokyo, 1976

Bachelor of Engineering; The University of Tokyo, 1974

Awards/Publications

The Power and Energy System Award; Japan Society of Mechanical Engineers, 2014

The Achievement Award; Toshiba Corporation, 2007

Arthur Charles Main Prize; The Institution of Mechanical Engineers, 1990

Areas of expertise

Steam Turbine technology, Gas turbine technology, Mechanical Engineering, Rotor Dynamics, Heat Transfer,