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## Edward M. Greitzer

H.N. SLATER PROFESSOR OF AERONAUTICS AND ASTRONAUTICS

### Contact

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### Academic Degrees

B.A., Physics, 1962, Harvard College; M.S., Engineering, 1964, Harvard University; Ph.D., 1970, Mechanical Engineering, Harvard University

### Honors and Awards

American Society of Mechanical Engineers (ASME) Gas Turbine Award 1977, 1979, 1996, 2014; Institute of Mechanical Engineers T. Bernard Hall Prize; ASME Freeman Scholar Award in Fluids Engineering; Royal Society Guest Fellowship, Cambridge University; AIAA Air Breathing Propulsion Best Paper Award; Visiting Fellow, Japan Society for Promotion of Science; ASME International Gas Turbine Institute (IGTI) Turbomachinery Committee Best Paper Award, 1991, 1992, 1995, 2007, 2013; Controls & Diagnostic Committee Best Paper Award, 1998; IGTI Aircraft Engine Technology Award; US Air Force Exceptional Civilian Service Award; Department of Aeronautics and Astronautics Undergraduate Teaching Award (twice); Everett Moore Baker Award for Excellence in Undergraduate Teaching (MIT Institute Award); ASME R. Tom Sawyer Award; IGTI Scholar Award; Honorary Professor, Beihang University; Fellow, ASME; Honorary Fellow, AIAA; Fellow, ASME; Member, National Academy of Engineering; International Fellow, Royal Academy of Engineering.

### Positions Held at MIT

H.N. Slater Professor of Aeronautics and Astronautics, 1988-present; Vehicles Sector Head, 2008-present; Deputy Department Head, 2006-2008; Associate Department Head, 1996–2002; Director Gas Turbine Laboratory; Head, Propulsion and Energy Conversion Division, 1984-1996; Associate Professor, 1979-1984; Assistant Professor, 1977-1979

### Positions Held outside MIT

United Technologies Corporation: Director, Aeromechanical, Chemical, and Fluid Systems, United Technologies Research Center, 1996-1998; Senior Research Engineer, United Technologies Research Center,

1976-1977; Research Engineer, Compressor Component Group, Pratt & Whitney Division of United Technologies Corp., 1969-1976; Cambridge University: Visiting Fellow, Peterhouse, 1990-1991; Overseas Fellow, Churchill College, 1983-1984; Industrial Fellow Commoner, Churchill College (on leave from Pratt & Whitney), 1975 California Institute of Technology, Visiting Research Associate, July-August 1986 NASA Glenn Research Center, Aerospace Technical Specialist, August 1983

### **Specialization and Research Interests**


Gas turbine engines, propulsion system-airframe integration, turbomachinery, internal flow and fluid machinery, propulsion, active control of aeromechanical systems, industry-university collaboration

### **Teaching Interests**

Propulsion, Fluid Dynamics, Experimental Projects, Thermodynamics

### **Lab/Research Group Affiliation**

[Gas Turbine Laboratory](#)

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