

**Professor Jayant Sabnis**  
*Senior Lecturer, Department of Aeronautics and Astronautics*  
*Massachusetts Institute of Technology*

### ***Excerpts***

Professor Jayant Sabnis completed his B. Tech, Mechanical Engineering, 1975, from Indian Institute of Technology Bombay, M.S., Mechanical Engineering, 1977, from Syracuse University, and Ph.D., Mechanical Engineering, 1980, from Syracuse University. Mr. Sabnis' interest lies in areas related to Turbomachinery, propulsion systems, gas turbine engines and propulsion system-airframe integration.

### ***Bio***

B. Tech, Mechanical Engineering, 1975, Indian Institute of Technology Bombay; M.S., Mechanical Engineering, 1977, Syracuse University; Ph.D., Mechanical Engineering, 1980, Syracuse University

### **Honors and Awards**

Fellow, AIAA; Fellow, ASME; Distinguished Service Award, I.I.T. Bombay; Distinguished Alumni Award, I.I.T. Bombay; Member, Connecticut Academy of Science and Engineering; AIAA Solid Rocket Technical Committee Best Paper Award; UTRC Outstanding Achievement Award, 1992, 1994, 1996, UTC Horner Citation for Outstanding Inter-Divisional Technical Collaboration, 1996, 2012

### **Positions Held at MIT**

Senior Lecturer, Department of Aeronautics and Astronautics, March 2016-present

### **Positions Held outside MIT**

- Vice President, Engineering – Module Centers, Pratt & Whitney 2013-2016
- Vice President, System Functional Design, Pratt & Whitney, 2004-2013
- Director, Aerodynamics, Pratt & Whitney, 2002-2004
- Director, Mechanical Systems, Pratt & Whitney, 1999-2002
- Manager, Secondary Flow and Heat Transfer, Pratt & Whitney, 1998-1999
- Principal Research Scientist, United Technologies Research Center, 1992-1998
- Director, Space Propulsion Programs, Scientific Research Associates, 1988-1992
- Senior Research Scientist, Scientific Research Associates, 1983-1988

### **Specialization and Research Interests**

Turbomachinery, propulsion systems, gas turbine engines, propulsion system-airframe integration

### **Teaching Interests**

Propulsion, turbomachinery, fluid dynamics, thermodynamics

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

- Gas Turbine Laboratory
- Laboratory for Aviation and the Environment