



Air Force Research Laboratory|AFRL

Science and Technology for Tomorrow's Air and Space Force

Success Story

DR. ALAN GARSCADDEN NAMED AIAA FELLOW



The American Institute of Aeronautics and Astronautics (AIAA) is the world's largest professional society devoted to the progress of engineering and science in aviation, space, and defense. The AIAA honors Fellows for making notable contributions to the arts, sciences, or technology of aeronautics or astronautics.



Air Force Research Laboratory
Wright-Patterson AFB OH

Accomplishment

The AIAA recently named Dr. Alan Garscadden, Chief Scientist in the Propulsion Directorate, a Fellow for 2002. Since the AIAA elects only one Fellow each year for every 1,000 voting members of AIAA, Fellows are part of a select group.

Background

Dr. Garscadden serves as technical adviser on a wide spectrum of aeronautical research including many facets of propulsion, aerospace power, hypersonics, laser physics, combustion, and plasma phenomena and applications. He is known for his work in theoretical and experimental research in plasmas and energized gas flows, lasers, laser-based measurements, plasma-processing of thin films, optical and mass spectroscopic measurements, electron impact cross sections and their influence on electron transport, and the derivation of collision cross sections from transport data.

Dr. Garscadden authored more than 250 publications and presentations and served on many organizing committees for both national and international meetings and symposiums. He has served on technical committees and in professional societies, authored several book chapters, and conducted approximately 120 invited lectures and presentations to peer audiences. He has also served as thesis adviser and adjunct professor for several local, national, and foreign universities.

Propulsion
Awards and Recognition

Additional information

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