

Brian Gunter

Assistant Professor, Aerospace Engineering at Georgia Tech College of Engineering
Atlanta, GA, US

Brian Gunter's research activities involve various aspects of spacecraft missions and their applications.

Biography

Dr. Gunter is an associate professor in aerospace engineering at the Georgia Institute of Technology. He received his B.S. in mechanical engineering from Rice University, and later his M.S. and Ph.D. in aerospace engineering from the University of Texas at Austin, specializing in orbital mechanics. Prior to joining Georgia Tech, Dr. Gunter was on the faculty of the Delft University of Technology (TU-Delft) in the Netherlands, as a member of the Physical and Space Geodesy section. His research activities involve various aspects of spacecraft missions and their applications, such as investigations into current and future laser altimetry missions, monitoring changes in the polar ice sheets using satellite data, applications of satellite constellations/formations, and topics surrounding kinematic orbit determination. He has been responsible for both undergraduate and graduate courses on topics such as satellite orbit determination, Earth and planetary observation, scientific applications of GPS, and space systems design. He is currently a member of the AIAA Astrodynamics Technical Committee, and also serves as the Geodesy chair for the Fall AGU Meeting Program Committee. He has received a NASA group achievement award for his work on the GRACE mission, and he is also a former recipient of a NASA Earth System Science Graduate Fellowship. He is a member of the American Institute of Aeronautics and Astronautics (AIAA), the American Geophysical Union (AGU), and the International Association of Geodesy (IAG).

Areas of Expertise

Flight Mechanics and Control, Systems Design and Optimization

Education

The University of Texas at Austin
Ph.D. Aerospace Engineering

The University of Texas at Austin
M.S. Aerospace Engineering

Rice University
B.S. Mechanical Engineering

Selected Accomplishments

Visiting Research Fellow, Newcastle University, Newcastle-Upon-Tyne, UK
2011

NASA Earth System Science Graduate Fellowship
2002-2004

Dolores Zohrab Liebmann Graduate Fellowship
2000-2003

NASA Group Achievement Award, GRACE Project Team
2004

Earl Wright Endowed Presidential Scholarship in Engineering
2000-2001

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