

## Foreword

This second edition of *Space Vehicle Design* by Michael D. Griffin and James R. French is an updated, thorough treatment of an important and rapidly evolving subject in the aerospace field. The first edition has been a valuable part of the AIAA Education Book Series, and we are very pleased to welcome this new edition to the series. The second edition features the addition of a new chapter on reliability analysis, as well as more and updated technical material and many excercises.

This design textbook is arranged in a logical fashion starting with mission considerations then spacecraft environment, astrodynamics, propulsion, atmospheric entry, attitude control, configuration and structures, subsystems, and finally reliability, so that university courses at different academic levels can be based upon it. In addition, this text can be used as a basis for continuing education short courses or independent self study. The book is divided into 12 chapters and 2 appendices covering more than 600 pages.

The AIAA Education Series aims to cover a broad range of topics in the general aerospace field, including basic theory, applications, and design. A complete list of titles published in the series can be found on the last pages in this volume. The philosophy of the series is to develop textbooks that can be used in a college or university setting, instructional materials for intensive continuing education and professional development courses, and also books that can serve as the basis for independent self study for working professionals in the aerospace field. Suggestions for new topics and authors for the series are always welcome.

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