



2nd ed. 2018, XVI, 438 p. 165 illus., 69 illus. in color.

### Printed book

Hardcover

279,99 € | £249.99 | \$349.99

[1]299,59 € (D) | 307,99 € (A) | CHF

330,50

### E-reference work

299,59 € | £249.99 | \$349.99

299,59 € (D) | 299,59 € (A) | CHF

330,50

### Book with Online Access

449,99 € | £399.99 | \$549.99

481,49 € (D) | 494,99 € (A) | CHF

530,50

## Springer Reference

Nicholas Tsoulfanidis (Ed.)

# Nuclear Energy

A Volume in the Encyclopedia of Sustainability Science and Technology Series, Second Edition

Series: Encyclopedia of Sustainability Science and Technology Series

- **Comprehensive coverage of the nuclear enterprise in a single, concise volume**
- **Excellent reference for nuclear "experts" and interested people alike**
- **Everything on nuclear fuel resources, fission and fusion reactors, and more**

This book provides an authoritative reference on all aspects of the nuclear energy enterprise for both fission and fusion reactors. Featuring 22 peer-reviewed chapters by recognized authorities in the field, the book offers concise yet comprehensive coverage of fundamentals, current areas of research, and goals for the future. Topics range from fundamental reactor physics calculations, reactor design, nuclear fuel resources, and the nuclear fuel cycle, to radiation detection and protection and the economics of nuclear power. All chapters have been updated from the first edition, with new chapters added on small modular reactors, medical applications - atomic and nuclear, and applications of radioisotopes. As each chapter is written by an acknowledged expert in the area, the reader can be assured that the text is accurate, up-to-date, and will appeal to a broad audience of undergraduate and graduate students, researchers, and energy industry experts.

Order online at [springer.com](http://springer.com) / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com). / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com).

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

