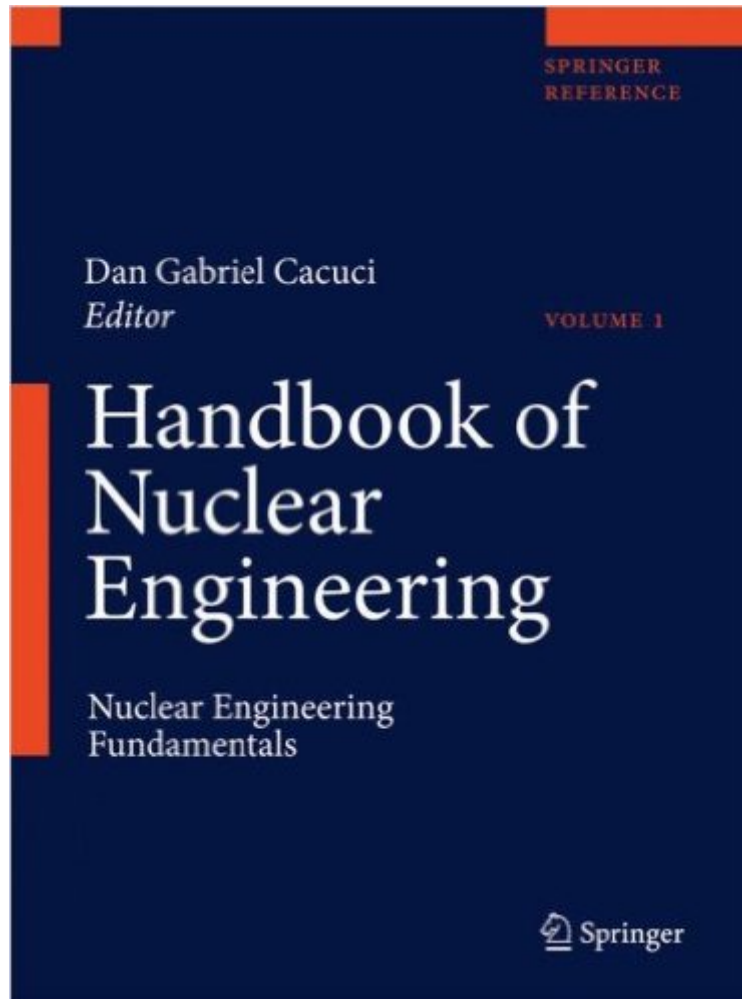


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# Handbook Of Nuclear Engineering (5 Vol Set)



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The Handbook of Nuclear Engineering is an authoritative compilation of information regarding methods and data used in all phases of nuclear engineering. Addressing nuclear engineers and scientists at all academic levels, this five volume set provides the latest findings in nuclear data and experimental techniques, reactor physics, kinetics, dynamics and control. Readers will also find a detailed description of data assimilation, model validation and calibration, sensitivity and uncertainty analysis, fuel management and cycles, nuclear reactor types and radiation shielding. A discussion of radioactive waste disposal, safeguards and non-proliferation, and fuel processing with partitioning and transmutation is also included. As nuclear technology becomes an important resource of non-polluting sustainable energy in the future, The Handbook of Nuclear Engineering is an excellent reference for practicing engineers, researchers and professionals.

## Book Information

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tool for radiation scientists involved with safety, storage, and disposal of nuclear wastes. The other appeal of this book is for nuclear medicine physicians, radiation oncologists, and particle physicists involved in uranium, plutonium, and other heavy metals. The books are written by the world's leading experts on nuclear physics and engineering. Fusion is well covered as are the formulae in solid state physics. Nuclear physicists are the main group addressed by the experts. This is not a "how to" book but one on charged and neutron beam radiosurgery and radiation emission dating back to Einstein, Max Planck, Feynmann, Enrico Fermi, Schrodinger, and others involved in the history of nuclear physics. The Oakridge, Los Alamos, CERN Switzerland, Mass General/MIT and Stanford experiences are catalogued and described for physicists I highly recommend this book for nuclear physicists.

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