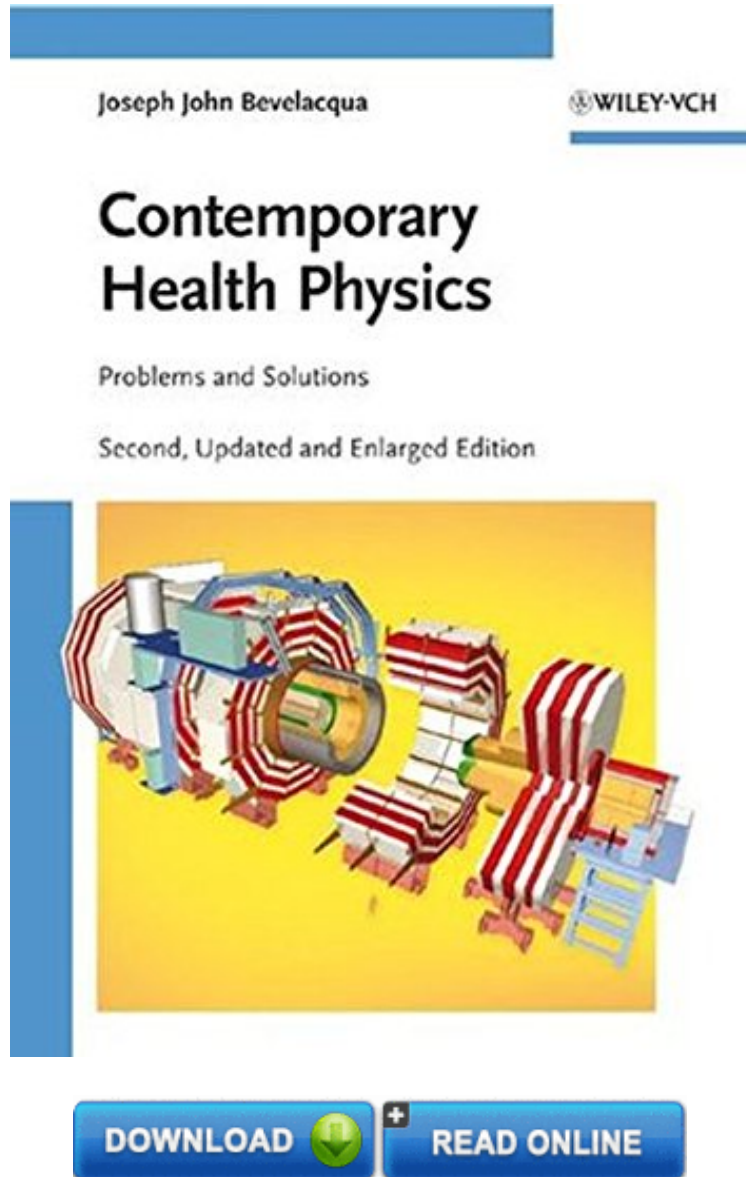


# Contemporary Health Physics: Problems and Solutions

*Joseph John Bevelacqua*

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**Joseph John Bevelacqua : Contemporary Health Physics: Problems and Solutions** before purchasing it in order to gage whether or not it would be worth my time, and all praised Contemporary Health Physics: Problems and Solutions:

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This is the first text specifically designed to train potential health physicists to think and respond like professionals. Written by a former chairman of the American Board of Health Physics Comprehensive Panel of Examiners with more

than 20 years of professional and academic experience in the field, it offers a balanced presentation of all the theoretical and practical issues essential for a full working knowledge of radiation exposure assessments. As the only book to cover the entire radiation protection field, it includes detailed coverage of the medical, university, reactor, fuel cycle, environmental and accelerator areas, while exploring key topics in radiation basics, external and internal dosimetry, the biological effects of ionizing radiation, and much more besides. Backed by more than 500 worked examples developed within the context of various scenarios and spanning the full spectrum of real-world challenges, it quickly instills in readers the professional acumen and practical skills they need to perform accurate radiation assessments in virtually any routine or emergency situation. The result is a valuable resource for upper-level students and anyone preparing to take the American Board of Health Physics Comprehensive Examination, as well as for professionals seeking to expand their scope and sharpen their skills.

From the Back Cover This is the first text specifically designed to train potential health physicists to think and respond like professionals, offering a balanced presentation of all the theoretical and practical aspects essential for a full working knowledge of radiation exposure assessments. As the only book to cover the entire radiation protection field, it includes detailed coverage of the medical, university, power reactor, fuel cycle, environmental and accelerator, and nonionizing radiation areas, while exploring key topics in radiation basics, external and internal dosimetry, the biological effects of ionizing radiation, and much more besides. Backed by more than 500 worked examples spanning the full spectrum of real-world challenges, it quickly instills in readers the professional acumen and practical skills needed to perform accurate radiation assessments in virtually any routine or emergency situation.

About the Author Joseph John Bevelacqua, PhD, CHP, is the President of Bevelacqua Resources. A theoretical nuclear physicist by training, Dr. Bevelacqua is a Certified Health Physicist and Certified Senior Reactor Operator and has over 30 years of professional experience. This includes the medical, fuel cycle, accelerator, power reactor, environmental, and non-ionizing areas. He was a key player in the Three Mile Island and Hanford cleanup activities, and is an active researcher with over 80 publications. His research areas include heavy ion cancer therapy, theoretical physics, and health physics applications. He recently received the California University Pennsylvania's Professional Excellence Award for his accomplishments.