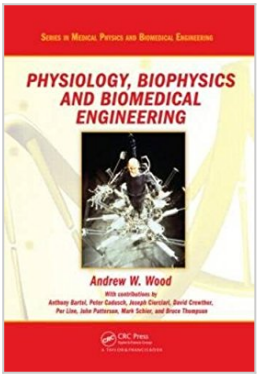

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Developed from the authors' courses in medical biophysics and biomedical instrumentation, this book shows how biophysics and biomedical engineering have advanced modern medicine. It brings together the physical principles underlying human physiological processes and the physical methods used to monitor these processes. Requiring only basic mathematical knowledge, the text supplements mathematical formulae with qualitative explanations and illustrations to encourage an intuitive grasp on the processes discussed.

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About the Author

Andrew W. Wood is a professor in the Brain and Psychological Sciences Research Center at Swinburne University of Technology. Dr. Wood was recently a member of the radiation health committee of the Australian Radiation Protection and Nuclear Safety Agency and the secretary and registrar of the Australian Radiation Protection Accreditation Board. His research interests include the health effects associated with nonionizing radiation, cellular neuroscience, fluorescence microscopy, and mathematical modeling.

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