

---

## EDUCATIONAL RESOURCES

---

### IOMP COLLABORATION WITH CRC PRESS / TAYLOR & FRANCIS

T S Suh<sup>1</sup>, F McGowan<sup>2</sup>, K-H Ng<sup>3</sup>, R Ritenour<sup>4</sup>, S Tabakov<sup>5</sup>, J G Webster<sup>6</sup>

<sup>1</sup>The Catholic University of Korea, Seoul 137-701, South Korea

<sup>2</sup>CRC Press, Taylor and Francis Group, Abingdon, Oxfordshire OX14 4RN, UK

<sup>3</sup>University of Malaya, 50603 Kuala Lumpur, Malaysia

<sup>4</sup>Medical School, 420 Delaware St. S.E., Minneapolis, MN 55455, USA

<sup>5</sup>IOMP Vice-President, King's College London, SE5 9RS, UK

<sup>6</sup>BME/UW-Madison, Madison, WI 53706-1609 USA

#### I. INTRODUCTION

The International Organization for Medical Physics (IOMP) has a longstanding collaboration with the publishing company CRC Press / Taylor & Francis. This has been subject to several official agreements and has been mainly related to the book series entitled the *Series in Medical Physics and Biomedical Engineering*. Based on these agreements the series has been adopted as the official book series of the IOMP and a brief description of the role of the IOMP appears in every book in the series. The IOMP (Publications Committee) and its sister organisation IFMBE (International Federation for Medical and Biological Engineering) nominate joint Editors for the series.

The series aims to describe the applications of physical sciences, engineering and mathematics in medicine and clinical research and to meet the need for up-to-date texts in this rapidly developing field of science. Books in the series range in level from upper-level undergraduate and graduate textbooks to practical handbooks and advanced expositions of current research. The authors are leading experts in the field, often recommended by the IOMP and IFMBE.

The book series was initiated in 1985 with *Fundamentals of Radiation Dosimetry, Second Edition* by J G Greening and the next books appeared in 1991 (*Prevention of Pressure Sores: Engineering and Clinical Aspects*, Webster J G) and in 1993 (*The Physics of Three Dimensional Radiation Therapy: Conformal Radiotherapy, Radiosurgery and Treatment Planning*, Webb S). The latter already used the distinctive red colouring on its cover. The series intensified after 1997, when three books were

published. The Series Editors at that time were R F Mould (UK), C G Orton (USA), J A E Spaan (The Netherlands) and J G Webster (USA).

45 books in various fields of the profession have been published since the beginning of the collaboration between IOMP and CRC Press / Taylor & Francis. In about 30 years the *Series in Medical Physics and Biomedical Engineering* has established itself as a leading international book series in the field. Four of the world's leading academics in the field – Kwan-Hoong Ng, Russell Ritenour, Slavik Tabakov and John G. Webster – serve as current Series Editors, curating the series and carefully selecting the highest quality publications for inclusion. The current Commissioning Editor from CRC Press is Francesca McGowan.

Recent and forthcoming publications in the Series include: Muftuler, *Quantifying Morphology and Physiology of the Human Body Using MRI*; Kuiken, *Targeted Muscle Reinnervation: A Neural Interface for Artificial Limbs*; Willson et al., *Medical Equipment Management*; Webster, *The Physiological Measurement Handbook*; and Lehnert, *Radiosensitizers and Radiochemotherapy in the Treatment of Cancer*. A full listing of books in the series can be found at <http://www.crcpress.com/browse/series/chmephbioeng>.

The books are priced in such a way as to make them affordable to as many medical physicists and biomedical engineers worldwide as possible (both professionals and students). In addition, all books in the series are available at a 25% discount to members of the IOMP. As a member of the IOMP, simply enter code DZM10 when ordering at [www.crcpress.com](http://www.crcpress.com) to save 25%.

We warmly welcome new book proposals, or suggestions of valuable books, for the series. Colleagues who are interested in writing or editing a book for the series should contact Francesca McGowan, Editor for Physics books ([francesca.mcgowan@tandf.co.uk](mailto:francesca.mcgowan@tandf.co.uk)) or write to any of the Series Editors. The proposal guidelines can be accessed at <http://www.crcpress.com/resources/authors>.

## II. BOOKS AND HYPERLINKS

Books resulting from the collaboration between IOMP and CRC Press / Taylor & Francis:

- [Statistical Computing in Nuclear Imaging](#)  
2014, Arkadiusz Sitek
- [Radiosensitizers and Radiochemotherapy in the Treatment of Cancer](#) 2014, Shirley Lehnert
- [The Physiological Measurement Handbook](#)  
2014, Editor: John G. Webster
- [Diagnostic Endoscopy](#)  
2013, Editor: Haishan Zeng
- [Medical Equipment Management](#)  
2013, Keith Willson, Keith Ison, Slavik Tabakov
- [Targeted Muscle Reinnervation: A Neural Interface for Artificial Limbs](#)  
2013, Editors: Todd A. Kuiken, Aimee E. Schultz Feuser, Ann K. Barlow
- [Quantifying Morphology and Physiology of the Human Body Using MRI](#)  
2013, Editor: L. Tugan Muftuler
- [Encyclopaedia of Medical Physics](#)  
2012, Editors: Slavik Tabakov, Franco Milano, Sven-Erik Strand, Cornelius Lewis, Perry Sprawls
- [Monte Carlo Calculations in Nuclear Medicine, Second Edition: Applications in Diagnostic Imaging](#)  
2012, Editors: Michael Ljungberg, Sven-Erik Strand, Michael A. King
- [Vibrational Spectroscopy for Tissue Analysis](#)  
2012, Ihtesham ur Rehman, Zanyar Movasaghi, Shazza Rehman
- [Webb's Physics of Medical Imaging, Second Edition](#)  
2012, Editor: M A Flower
- [Correction Techniques in Emission Tomography](#)
- 2012, Editors: Mohammad Dawood, Xiaoyi Jiang, Klaus Schäfers
- [Physiology, Biophysics, and Biomedical Engineering](#)  
2012, Editor: Andrew W Wood
- [Proton Therapy Physics](#)  
2011, Editor: Harald Paganetti
- [Stem Cell Labeling for Delivery and Tracking Using Noninvasive Imaging](#)  
2011, Editors: Dara L. Kraitchman, Joseph C. Wu
- [Practical Biomedical Signal Analysis Using MATLAB®](#)  
2011, Katarzyn J. Blinowska, Jaroslaw Zygiereicz
- [Physics for Diagnostic Radiology, Third Edition](#)  
2011, Philip Palin Dendy, Brian Heaton
- [Nuclear Medicine Physics](#)  
2010, Editors: Joao Jose De Lima
- [Handbook of Photonics for Biomedical Science](#)  
2010, Editor: Valery V. Tuchin
- [Handbook of Anatomical Models for Radiation Dosimetry](#)  
2009, Editors: Xie George Xu, Keith F. Eckerman
- [Handbook of Optical Sensing of Glucose in Biological Fluids and Tissues](#)  
2008, Editor: Valery V. Tuchin
- [Fundamentals of MRI: An Interactive Learning Approach](#)  
2008, Elizabeth Berry, Andrew J. Bulpitt
- [Intelligent and Adaptive Systems in Medicine](#)  
2008, Editors: Olivier C. L. Haas, Keith J. Burnham
- [An Introduction to Radiation Protection in Medicine](#)  
2008, Editors: Jamie V. Trapp, Tomas Kron
- [A Practical Approach to Medical Image Processing](#)  
-2007, Elizabeth Berry
- [Biomolecular Action of Ionizing Radiation](#)  
-2007, Shirley Lehnert
- [An Introduction to Rehabilitation Engineering](#)  
2006, Editors: Rory A Cooper, Hisaichi Ohnabe, Douglas A. Hobson
- [The Physics of Modern Brachytherapy for Oncology](#)  
2006, Dimos Baltas, Loukas Sakelliou, Nikolaos Zamboglou
- [Electrical Impedance Tomography: Methods, History and Applications](#)

2004, Editor: David S. Holder

[-Contemporary IMRT: Developing Physics and Clinical Implementation](#)

2004, S. Webb

[-The Physical Measurement of Bone](#)

2003, Editors: C.M. Langton, C.F. Njeh

[-Therapeutic Applications of Monte Carlo Calculations in Nuclear Medicine](#)

2002, Editors: H. Zaidi, G Sgouros

[-Minimally Invasive Medical Technology](#)

2001, Editor: John G. Webster

[-Intensity-Modulated Radiation Therapy](#)

2001, S. Webb

[-Physics for Diagnostic Radiology, Third Edition](#)

1999, Philip Palin Dendy, Brian Heaton

[-Achieving Quality in Brachytherapy](#)

1999, B.R. Thomadsen

[-Ultrasound in Medicine](#)

1998, Editors: Francis A. Duck, A.C Baker, H.C Starritt

[-Medical Physics and Biomedical Engineering](#)

1998, B.H Brown, R.H Smallwood, D.C. Barber, P.V Lawford, D.R Hose

[-Design of Pulse Oximeters](#)

1997, Editor: John G. Webster

[-Linear Accelerators for Radiation Therapy, Second Edition](#)

1997, David Greene, P.C Williams

[-The Physics of Conformal Radiotherapy: Advances in Technology](#)

1997, S. Webb

[-Rehabilitation Engineering Applied to Mobility and Manipulation](#)

1995, Rory A Cooper

[-The Physics of Three Dimensional Radiation Therapy: Conformal Radiotherapy, Radiosurgery and Treatment Planning](#)

1993, S. Webb

[-Prevention of Pressure Sores: Engineering and Clinical Aspects](#)

1991, J.G Webster

[-Fundamentals of Radiation Dosimetry, Second Edition](#)

1985, J.R Greening

Contacts of the corresponding author:

Author: Francesca McGowan

Institute: CRC Press, Taylor and Francis Group

City: Abingdon OX14 4RN

Country: UK

Email: francesca.mcgowan@tandf.co.uk