

IOMP COLLABORATION WITH CRC PRESS / TAYLOR & FRANCIS

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I. INTRODUCTION

The International Organization for Medical Physics (IOMP) has a longstanding collaboration with the publishing company CRC Press / Taylor & Francis, a collaboration that is celebrating its 35th anniversary in 2020. 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 and its sister organisation IFMBE (International Federation for Medical and Biological Engineering) support 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 John G. Webster (USA).

69 books in various fields of the profession have been published since the beginning of the collaboration between IOMP and CRC Press / Taylor & Francis. In 35 years the *Series in Medical Physics and Biomedical Engineering* has established itself as a leading international book series in the field. Three of the world's leading academics in the field serve as current Series Editors – Kwan-Hoong Ng, Russell Ritenour, and Slavik Tabakov (and formerly John G. Webster, who very recently retired from the position), curating the series and

carefully selecting the highest quality publications for inclusion. These Editors formed a very effective team, responsible for the soliciting and assessment of about 2/3 of the books in the series. The current Commissioning Editor from CRC Press is Rebecca Davies.

Recent and forthcoming publications in the Series include: Rancati & Fiorino, *Modelling Radiotherapy Side Effects: Practical Applications for Planning Optimisation*; Kirby and Calder, *On-Treatment Verification Imaging: A Study Guide for IGRT*; Dewji & Hertel, *Advanced Radiation Protection Dosimetry*; Dixon, *The Physics of CT Dosimetry*; Ng, Yeong & Perkins, *Problems and Solutions in Medical Physics: Nuclear Medicine Physics*. 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 discount to members of the IOMP. As a member of the IOMP, simply enter code **IMP19** when ordering at www.crcpress.com to save **25% off all books** (*this code will only be valid until 31/12/2022*).

For 35 years, the team of Academic and Commissioning Editors of the *CRC Series in Medical Physics and Biomedical Engineering* has supported the development of research and education in medical physics. 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 Rebecca Davies, Editor for Physics books (Rebecca.Davies@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:

[*-Modelling Radiotherapy Side Effects: Practical Applications for Planning Optimisation*](#)

- 2019, Tiziana Rancati, Claudio Fiorino
 - [*On-Treatment Verification Imaging: A Study Guide for IGRT*](#)
 2019, Mike Kirby, Kerrie-Anne Calder
- [*Advanced Radiation Protection Dosimetry*](#)
 2019, Editors: Shaheen Dewji, Nolan E. Hertel
- [*The Physics of CT Dosimetry: CTDI and Beyond*](#)
 2019, Robert L. Dixon
- [*Problems and Solutions in Medical Physics: Nuclear Medicine Physics*](#)
 2019, Kwan Hoong Ng, Chai Hong Yeong, Alan Christopher Perkins
- [*Introduction to Megavoltage X-Ray Dose Computation Algorithms*](#)
 2019, Editor: Jerry Battista
- [*Ethics for Radiation Protection in Medicine*](#)
 2018, Jim Malone, Friedo Zölzer, Gaston Meskens, Christina Skourou
- [*Proton Therapy Physics, Second Edition*](#)
 2018, Editor: Harald Paganetti
- [*Mixed and Augmented Reality in Medicine*](#)
 2018, Editors: Terry M. Peters, Cristian A. Linte, Ziv Yaniv, Jacqueline Williams
- [*Clinical Radiotherapy Physics with MATLAB: A Problem-Solving Approach*](#)
 2018, Pavel Dvorak
- [*Advanced and Emerging Technologies in Radiation Oncology Physics*](#)
 2018, Editors: Siyong Kim, John W. Wong
- [*Advances in Particle Therapy: A Multidisciplinary Approach*](#)
 2018, Editors: Manjit Dosanjh, Jacques Bernier
- [*Radiotherapy and Clinical Radiobiology of Head and Neck Cancer*](#)
 2018, Loredana G. Marcu, Iuliana Toma-Dasu, Alexandru Dasu, Claes Mercke
- [*Problems and Solutions in Medical Physics: Diagnostic Imaging Physics*](#)
- 2018, Kwan Hoong Ng, Jeannie Hsiu Ding Wong, Geoffrey D. Clarke
- [*A Guide to Outcome Modeling In Radiotherapy and Oncology: Listening to the Data*](#)
 2018, Editor: Issam El Naqa
- [*Quantitative MRI of the Brain: Principles of Physical Measurement, Second edition*](#)
 2018, Editor: Mara Cercignani, Nicholas G. Dowell, Paul S. Tofts
- [*Handbook of X-ray Imaging: Physics and Technology*](#)
 2018, Editor: Paolo Russo
- [*Advanced MR Neuroimaging: From Theory to Clinical Practice*](#)
 2017, Ioannis Tsougos
- [*A Brief Survey of Quantitative EEG*](#)
 2017, Kaushik Majumdar
- [*Emerging Technologies in Brachytherapy*](#)
 2017, Editors: William Y. Song, Kari Tanderup, Bradley Pieters
- [*Environmental Radioactivity and Emergency Preparedness*](#)
 2016, Mats Isaksson, Christopher L. Raaf
- [*Gamma Cameras for Interventional and Intraoperative Imaging*](#)
 2016, Editors: Alan C. Perkins, John E. Lees
- [*Fundamental Mathematics and Physics of Medical Imaging*](#)
 2016, Jack Lancaster, Bruce Hasegawa
- [*The Practice of Internal Dosimetry in Nuclear Medicine*](#)
 2016, Michael G. Stabin
- [*Radiation Protection in Medical Imaging and Radiation Oncology*](#)
 2015, Editors: Richard J. Vetter, Magdalena S. Stoeva
- [*Graphics Processing Unit-Based High Performance Computing in Radiation Therapy*](#)
 2015, Editors: Xun Jia, Steve B. Jiang
- [*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
- [-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 Zygierewicz
- [-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, John Webster
- [-Intensity-Modulated Radiation Therapy](#)
2001, S. Webb

-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

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