



Measurement, Instrumentation, and Sensors Handbook, Second Edition: Two-Volume Set (Electrical Engineering Handbook)

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Editorial Review

Review

"The new edition of this manual shows the state of the art of measures, instrumentation, and sensors used in the field of biomedical engineering. It describes the use of instrumentation and techniques for performing underlying practical measures required particularly for medical sciences, explaining in detail the sensors that are used as well as the techniques, hardware, and software associated. ... The second edition certainly offers the most complete source of reference."

?Centro Nazionale Edilizia e Tecnica Ospedaliera (CNETO)'s *Progettare per la Sanità*, October 2015

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"... Even though different experts in their respective fields wrote the chapters; they are well-written and clear demonstrating the expert editing done by Professors Webster and Eren. The wide base of experts drawn together for this book demonstrates the broad coverage of this book by leading experts in the field of instrumentation.

?Michael R. Neuman, Michigan Technological University, Houghton, USA

"This is a very interesting, and moreover incredibly thorough, treatment of all aspects relating to sensors and measurements. ... The material presented on soft sensors was very much a representation of the state-of-the-art whilst also being understandable and a good introduction to the subject."

?Alex Casson, University of Manchester, UK

About the Author

John G. Webster received his BS from Cornell University, Ithaca, New York, USA and M.Sc and Ph.D from University of Rochester, New York, USA. A fellow of the Institute of Electrical and Electronics Engineers, Instrument Society of America, American Institute of Medical and Biological Engineering, Biomedical Engineering Society, and Institute of Physics, he served on the IEEE-EMBS Administrative Committee and NIH Surgery and Bioengineering Study Section, authored/co-authored and edited/co-edited numerous books and publications, and received the IEEE-EMBS Career Achievement Award. A highly cited researcher for King Abdulaziz University, Jeddah, Saudi Arabia, he is currently a professor emeritus at University of Wisconsin-Madison, USA.

Halit Eren received his BS, M.Sc, and Ph.D from University of Sheffield, UK. He also obtained an MBA from Curtin University, Perth, Western Australia. He has served as an instrumentation engineer at Etibank, as well as an assistant professor for Hacettepe University and Middle East Technical University, all in Turkey. An author and co-editor of several books and publications, he was associate professor at Polytechnic University, Hong Kong and visiting professor at University of Wisconsin-Madison, USA. A senior member of IEEE taking roles in Region 10 activities and various committees for organizing conferences, he is currently teaching and conducting research at Curtin University.

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