Academic Press Library in Signal Processing:

Four Volume Set

Volume 1: Signal Processing Theory and Machine Learning
Volume 2: Communications and Radar Signal Processing
Volume 3: Array and Statistical Signal Processing
Volume 4: Image, Video Processing and Analysis, Hardware, Audio, Acoustic and Speech Processing

Edited by Sergios Theodoridis and Rama Chellappa

Oct 2013 • 4,940 pp • ISBN: 9780124166165
Introductory List Price: 4 Volume Set: $800.00 • €575.00 • £485.00
http://store.elsevier.com/9780124166165

This four volume set, edited and authored by world leading experts, gives a review of the principles, methods and techniques of important and emerging research topics and technologies in machine learning, advanced signal processing theory, communications and radar signal processing, array and statistical signal processing, image, video, hardware, acoustic, audio and speech processing.

Features:

- **Quick tutorial reviews** of important and emerging topics of research
- **Presents core principles in signal processing theory** and shows their application
- **Reference content** on core principles, technologies, algorithms and applications
- **Comprehensive references** to journal articles and other literature on which to build further, more specific and detailed knowledge
- **Edited by leading people in the field** who, through their reputation, have been able to commission experts to write on a particular topic

With this reference source you will:

- Quickly grasp a new area of research
- Understand the underlying principles of a topic and its application
- Ascertain how a topic relates to other areas and learn of the research issues yet to be resolved

A representative selection of contributors from all four volumes based in the US, UK, Europe and APAC:

James B. Davis, Auburn University, USA; Philippe Loubaton, Universite de Marne la Vallee, France; Sergio Barbarossa, University of Rome, Italy; Georgios Giannakis, University of Minnesota, USA; Simon Godsill, Department of Engineering, University of Cambridge, UK; Ali H. Sayed, University of California, USA; William Melvin, Georgia Institute of Technology, USA; Hugh Griffiths, University College London, UK; Stefan V. Baumgartner, Germany; Andrew Carl Singer, College of Engineering, University of Illinois, USA; Fred Harris, San Diego State University, USA; Oscar Au, Hong Kong University of Science and Technology, Hong Kong, China; James Nagy, Emory University, USA; Christos Davatzikos, University of Pennsylvania, USA; Al Bovik, The Universtiy of Texas at Austin,Texas, USA; Tsuhan Chen, University of Ithaca, New York, USA; Marylin Wolf, School of ECE, Georgia Institute of Technology, USA; Sven Nordholm, Curtin University, Australia; Visa Koivunen, Aalto University, Finland.

Looking to purchase just one volume? All volumes are available for individual purchase.

Academic Press Library in Signal Processing Volume 1:
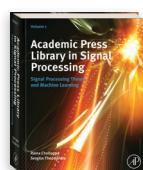
Signal Processing Theory and Machine Learning
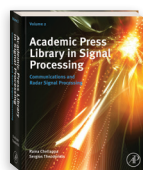*Edited by Paulo Sergio Ramirez Diniz and Johan Suykens*
Oct 2013 • 1,480 pp • ISBN: 9780123965028
List Price: **$295.00 • €215.00 • £180.00**
http://store.elsevier.com/9780123965028

Academic Press Library in Signal Processing Volume 2:
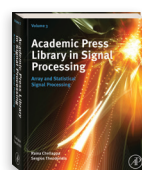
Communications and Radar Signal Processing
Edited by Nikos Sidiropoulos and Fulvio Gini
Oct 2013 • 1,350 pp • ISBN: 9780123965004
List Price: **$295.00 • €215.00 • £180.00**
http://store.elsevier.com/9780123965004

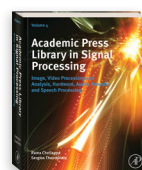### Academic Press Library in Signal Processing Volume 3:

Array and Statistical Signal Processing
Edited by Abdelhak Zoubir and Mats Viberg
Oct 2013 • 1,022 pp • ISBN: 9780124115972
List Price: **$225.00 • €165.00 • £140.00**
http://store.elsevier.com/9780124115972

Academic Press Library in Signal Processing Volume 4:

Image, Video Processing and Analysis, Hardware, Audio, Acoustic and Speech Processing
Edited by Joel Trussell, Anuj Srivastava, Amit K. Roy Chowdhury, Ankur Srivastava and Patrick Naylor
Oct 2013 • 1,088 pp • ISBN: 9780123965011
List Price: **$225.00 • €165.00 • £140.00**
http://store.elsevier.com/9780123965011

Table of Contents

If you would like to purchase on behalf of an institution, please browse store.elsevier.com.

AP
ACADEMIC PRESS