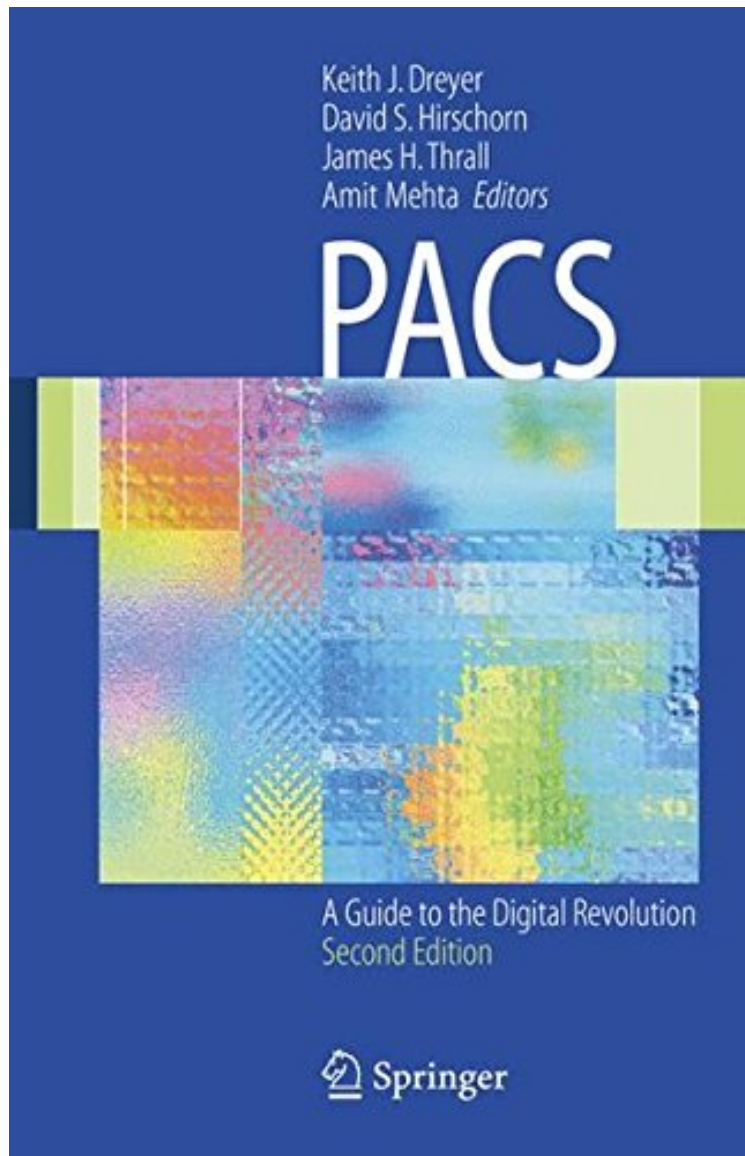


(Free and download) PACS: A Guide to the Digital Revolution

PACS: A Guide to the Digital Revolution

From Keith J Dreyer

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#743473 in Books Keith J Dreyer 2005-11-17Ingredients: Example IngredientsOriginal language:EnglishPDF # 1 9.21 x 1.31 x 6.141, 2.15 #File Name: 0387260102580 pagesPacs A Guide to the Digital Revolution | File size: 70.Mb

From Keith J Dreyer : PACS: A Guide to the Digital Revolution before purchasing it in order to gage whether or not it would be worth my time, and all praised PACS: A Guide to the Digital Revolution:

7 of 7 people found the following review helpful. Very skimpy on DICOM, HL7.By Gary ColwillThis review is for the second edition.I think this book would be very useful for a radiologist or clinical applications specialist who wants

an overview of issues to consider when undertaking a PACS implementation. However, DICOM seems to be a very important component of any PACS system, as well as HL7 - but both were barely mentioned, except in passing, in this book. I actually bought the book on the basis of another person's review where he went through each of the chapters he found useful, and one of those chapters was DICOM. He must have had a different version of this book, because I read it from cover to cover and could not find a chapter dedicated to DICOM. The most I found was a small section on pages 190 - 192 (in the image acquisition chapter) which gives a short history of DICOM but no in-depth details. The paragraph on page 425 (the PACS workstation software chapter), where the author provides information about freeware and shareware DICOM image viewing and manipulating software, is useful. Interestingly, the most information that can be had about HL7 in this book can be found in the voice recognition chapter...hmmmm. My bottom line is that if you want a decent *overview* of the whole subject of PACS, this book could be useful, but if you're looking for DICOM or HL7 details, look elsewhere (and if you find a good source of info on these subjects, please let me know at garycolwill@hotmail.com - thanks!) 1 of 1 people found the following review helpful.

Contributing Author's Remarks
By Contributing Author
As a contributing author in this book, I wanted to share some of my comments and remarks. I think Editors did a great job soliciting well known experts in their field to contribute in this book (I am probably the least known - hehe). I think this book provides a very comprehensive review of the topic and I recommend this for anyone thinking about implementing radiology IT systems or currently managing radiology IT systems. One of the items I found missing in the book was discussion on "Reporting". Although the book does discuss voice recognition in detail, but does not address other reporting methods in digital environment and IT issues related to reporting and report delivery. Information on HIPAA is slightly dated as lot has changed since these chapters were solicited in 2004. I also found some minor editorial errors (that hopefully will be corrected at second printing). Another big change that has occurred since these chapters were written is the introduction of 64 slice MDCT and Dual Source CT scanners. These scanners have created new and unique issues for radiology IT and PACS due to the enormous amount of data generated by these scanners. These scanners have a great impact on storage, connectivity, interpretation and radiology workflow. Overall an excellent review of issues related to Radiology IT and PACS. (...) 0 of 0 people found the following review helpful. The concepts and terminology is thorough and easy to read and understand
By Cristal Sumerlin
This book is a very general look into PACS. If you want just a basic understanding and are a technologist or IT personnel it is worth reading and understanding. The concepts and terminology is thorough and easy to read and understand. I believe that there should be more information about DICOM and HL7 and other systems.

PACS: A Guide to the Digital Revolution, Second Edition, fills an incredible need by explaining the technological advances associated with the transition of radiology departments to filmless environments. The editors are leaders in the field of medical imaging and they provide insight into emerging technologies for physicians, administrators, and other interested groups. Chapters address key topics in current literature with regard to the generation, transfer, interpretation, and distribution of images. This new edition has been updated to include: 1. An overview of the latest medical imaging standards; 2. A discussion of security issues as they relate to PACS, especially regarding HIPAA; 3. An introduction to current information on PACS workstations, including the impact of new software and hardware on radiologists; 4. An updated explanation of data storage and compression that highlights how advancements are applied; 5. A section on how PACS influences research and education.

From the Back Cover
In the modern age of digital health care and medical imaging informatics, Picture Archiving and Communications Systems (PACS) have become a fundamental part of the technological infrastructure supporting the practice of radiology. PACS: A Guide to the Digital Revolution, second edition, provides the reader with a comprehensive overview of this blossoming technology. With contributions from leaders in the field of PACS, this user-friendly guide addresses the introductory concepts, computing fundamentals, advanced imaging technologies, and future opportunities. It also offers invaluable concepts and tools that facilitate the financial evaluation of PACS, making it a great resource for those looking to plan for PACS implementation, assess institutional needs, write an RFP, and compare vendors' quotes. The second edition has been revised and updated to keep pace with the rapidly evolving field of picture archiving and communications systems. This new edition includes: An overview of the latest medical imaging standards. A discussion of security issues as they relate to PACS, especially regarding HIPAA. An introduction to current information on PACS workstations, including the impact of new software and hardware on radiologists. An updated explanation of data storage and compression that highlights how advancements are applied. A section on how PACS influences research and education. This text is geared toward radiologists, technologists, administrators, and IT professionals wishing to be a part of the medical imaging revolution.