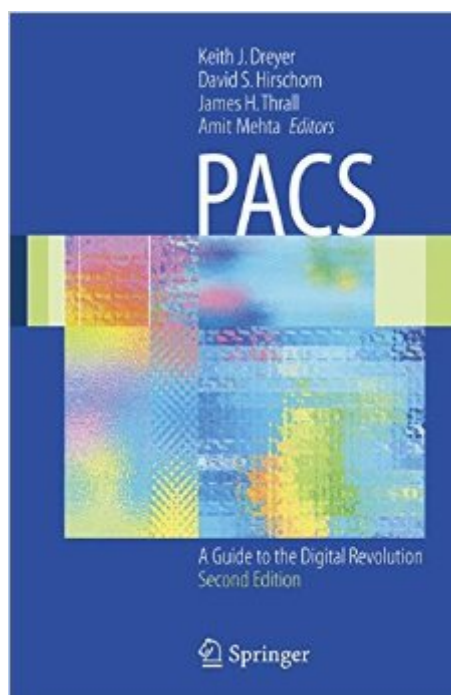


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# PACS: A Guide To The Digital Revolution



## Synopsis

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.

## Book Information

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## Customer Reviews

This 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](mailto:garycolwill@hotmail.com) - thanks!)

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.

Haven't finished reading yet, but font is horrible and letters are incomplete in kindle edition for iPad. This makes for a terrible read. I will be requesting refund. Come on, join the digital age and give me something useful!

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.(...)

I ordered the Kindle version for an on-line class and it is actually detrimental to learning. The font is difficult to read, page numbers are not consecutive nor do they even come close to those of my peers with traditional text books and the search function does not work properly. The content of the book was interesting and helped me to better understand the technical side of PACS. My complaint is entirely with the Kindle version. I will be requesting a refund.

I am a radiologist with an interest computer technology. I have hands-on experience with computing but little formal IT education. I've bought most of the other books on PACS from various authors but liked the first edition of the Dreyer book the best, so I thought I'd give this second edition a try. This recently released edition has many interesting new topics and considerable updates from the topics cover in the first. It's basically a whole new book. Fortunately they have preserved the easy-to-understand, yet, excellently detailed style from the first edition. If you're a radiologist, technologist or IT person interested in learning more about radiology IT, I highly recommend this book. Regards, Charles R.

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