



PACS and Imaging Informatics: Basic Principles and Applications

By H. K. Huang

[Download now](#)

[Read Online](#) 

PACS and Imaging Informatics: Basic Principles and Applications By H. K. Huang

The definitive guide to PACS — now with more clinically applicable material

In recent years, the field of picture archiving and communications systems—PACS—and image informatics has advanced due to both conceptual and technological advancements. This edition of PACS and Imaging Informatics: Basic Principles and Applications addresses the latest in this exciting field. In contrast to the previous edition, this updated text uses the framework of image informatics, not physics or engineering principles, to explain PACS. It is the only resource that thoroughly covers the critical issues of hardware/software design and implementation in a systematic and easily comprehensible manner.

To strengthen and update the book, the author:

- Emphasizes clinical applications of PACS and integrates clinical examples throughout the text
- Reflects the many changes in the field, with new chapters on Web-based PACS, security, integrating the healthcare enterprise, clinical management systems, and the electronic patient record
- Uses the framework of imaging informatics to explain PACS, making the book accessible to those without advanced knowledge of physics, engineering, math, or information technology
- Explains how PACS can improve workflow, therapy, and treatment

With the most systematic and thorough coverage of practical applications available, this text is the complete guide for all those involved in designing, implementing, and using PACS. Professionals in medical and allied health imaging informatics; radiologists and their technical staff; surgeons and oncologists and their teams; medical and electronic engineers; medical informaticians; and fellows, graduate students, and advanced undergraduates will all benefit from this valuable resource.

"An excellent book for people involved in the design, implementation, or simply the operations of PACS and an appropriate textbook."

—**From a review of the previous edition in *IEEE Engineering in Medicine and Biology***

"The strength of the book lies in the vast experience of the author, who has implemented PACS at numerous institutions in the United States and abroad."

—**From a review of the previous edition in *Radiology***

 [Download PACS and Imaging Informatics: Basic Principles and ...pdf](#)

 [Read Online PACS and Imaging Informatics: Basic Principles a ...pdf](#)

PACS and Imaging Informatics: Basic Principles and Applications

By H. K. Huang

PACS and Imaging Informatics: Basic Principles and Applications By H. K. Huang

The definitive guide to PACS — now with more clinically applicable material

In recent years, the field of picture archiving and communications systems—PACS—and image informatics has advanced due to both conceptual and technological advancements. This edition of PACS and Imaging Informatics: Basic Principles and Applications addresses the latest in this exciting field. In contrast to the previous edition, this updated text uses the framework of image informatics, not physics or engineering principles, to explain PACS. It is the only resource that thoroughly covers the critical issues of hardware/software design and implementation in a systematic and easily comprehensible manner.

To strengthen and update the book, the author:

- Emphasizes clinical applications of PACS and integrates clinical examples throughout the text
- Reflects the many changes in the field, with new chapters on Web-based PACS, security, integrating the healthcare enterprise, clinical management systems, and the electronic patient record
- Uses the framework of imaging informatics to explain PACS, making the book accessible to those without advanced knowledge of physics, engineering, math, or information technology
- Explains how PACS can improve workflow, therapy, and treatment

With the most systematic and thorough coverage of practical applications available, this text is the complete guide for all those involved in designing, implementing, and using PACS. Professionals in medical and allied health imaging informatics; radiologists and their technical staff; surgeons and oncologists and their teams; medical and electronic engineers; medical informaticians; and fellows, graduate students, and advanced undergraduates will all benefit from this valuable resource.

"An excellent book for people involved in the design, implementation, or simply the operations of PACS and an appropriate textbook."

—From a review of the previous edition in *IEEE Engineering in Medicine and Biology*

"The strength of the book lies in the vast experience of the author, who has implemented PACS at numerous institutions in the United States and abroad."

—From a review of the previous edition in *Radiology*

PACS and Imaging Informatics: Basic Principles and Applications By H. K. Huang **Bibliography**

- Sales Rank: #1672150 in Books
- Published on: 2010-01-12
- Original language: English
- Number of items: 1
- Dimensions: 10.30" h x 2.45" w x 7.40" l, 5.95 pounds

- Binding: Hardcover
- 1048 pages



[Download PACS and Imaging Informatics: Basic Principles and ...pdf](#)



[Read Online PACS and Imaging Informatics: Basic Principles a ...pdf](#)

Download and Read Free Online PACS and Imaging Informatics: Basic Principles and Applications By H. K. Huang

Editorial Review

From the Back Cover

The definitive guide to PACS—now with more clinically applicable material

In recent years, the field of picture archiving and communications systems—PACS—and image informatics has advanced due to both conceptual and technological advancements. This edition of PACS and Imaging Informatics: Basic Principles and Applications addresses the latest in this exciting field. In contrast to the previous edition, this updated text uses the framework of image informatics, not physics or engineering principles, to explain PACS. It is the only resource that thoroughly covers the critical issues of hardware/software design and implementation in a systematic and easily comprehensible manner.

To strengthen and update the book, the author:

- Emphasizes clinical applications of PACS and integrates clinical examples throughout the text
- Reflects the many changes in the field, with new chapters on Web-based PACS, security, integrating the healthcare enterprise, clinical management systems, and the electronic patient record
- Uses the framework of imaging informatics to explain PACS, making the book accessible to those without advanced knowledge of physics, engineering, math, or information technology
- Explains how PACS can improve workflow, therapy, and treatment

With the most systematic and thorough coverage of practical applications available, this text is the complete guide for all those involved in designing, implementing, and using PACS. Professionals in medical and allied health imaging informatics; radiologists and their technical staff; surgeons and oncologists and their teams; medical and electronic engineers; medical informaticians; and fellows, graduate students, and advanced undergraduates will all benefit from this valuable resource.

"An excellent book for people involved in the design, implementation, or simply the operations of PACS and an appropriate textbook."

—**From a review of the previous edition in *IEEE Engineering in Medicine and Biology***

"The strength of the book lies in the vast experience of the author, who has implemented PACS at numerous institutions in the United States and abroad."

—**From a review of the previous edition in *Radiology***

About the Author

H. K. (Bernie) Huang, FRCR(Hon.); FAIMBE; Professor of Radiology and Biomedical Engineering; Director, Division of Imaging Informatics, Department of Radiology; and Director MS Program, Medical Imaging and Imaging Informatics, Department of biomedical Engineering, University of Southern California, Los Angeles, Chair Professor of Medical Informatics, The Hong Kong Polytechnic University; and Honorary Professor, Shanghai Institute of Technical Physics, The Chinese Academy of Sciences.

Users Review

From reader reviews:

Michelle Jennings:

The book PACS and Imaging Informatics: Basic Principles and Applications can give more knowledge and also the precise product information about everything you want. Why then must we leave the best thing like a book PACS and Imaging Informatics: Basic Principles and Applications? Wide variety you have a different opinion about e-book. But one aim in which book can give many information for us. It is absolutely correct. Right now, try to closer along with your book. Knowledge or info that you take for that, you could give for each other; you are able to share all of these. Book PACS and Imaging Informatics: Basic Principles and Applications has simple shape nevertheless, you know: it has great and massive function for you. You can look the enormous world by open and read a e-book. So it is very wonderful.

Marisa Carney:

What do you in relation to book? It is not important along? Or just adding material when you need something to explain what your own problem? How about your time? Or are you busy person? If you don't have spare time to try and do others business, it is give you a sense of feeling bored faster. And you have spare time? What did you do? Everyone has many questions above. They should answer that question simply because just their can do that. It said that about guide. Book is familiar in each person. Yes, it is correct. Because start from on kindergarten until university need this particular PACS and Imaging Informatics: Basic Principles and Applications to read.

Dominique Rigney:

The event that you get from PACS and Imaging Informatics: Basic Principles and Applications could be the more deep you looking the information that hide within the words the more you get interested in reading it. It doesn't mean that this book is hard to understand but PACS and Imaging Informatics: Basic Principles and Applications giving you excitement feeling of reading. The writer conveys their point in a number of way that can be understood by means of anyone who read the idea because the author of this reserve is well-known enough. This kind of book also makes your own vocabulary increase well. Making it easy to understand then can go together with you, both in printed or e-book style are available. We recommend you for having this PACS and Imaging Informatics: Basic Principles and Applications instantly.

Brenda Villa:

Reading a reserve tends to be new life style in this era globalization. With reading through you can get a lot of information which will give you benefit in your life. Having book everyone in this world can certainly share their idea. Books can also inspire a lot of people. Lots of author can inspire their very own reader with their story or perhaps their experience. Not only the story that share in the publications. But also they write about the data about something that you need illustration. How to get the good score toefl, or how to teach your young ones, there are many kinds of book which exist now. The authors nowadays always try to improve their expertise in writing, they also doing some research before they write on their book. One of them is this PACS and Imaging Informatics: Basic Principles and Applications.

Download and Read Online PACS and Imaging Informatics: Basic Principles and Applications By H. K. Huang #N6M7DX8PVIO

Read PACS and Imaging Informatics: Basic Principles and Applications By H. K. Huang for online ebook

PACS and Imaging Informatics: Basic Principles and Applications By H. K. Huang Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read PACS and Imaging Informatics: Basic Principles and Applications By H. K. Huang books to read online.

Online PACS and Imaging Informatics: Basic Principles and Applications By H. K. Huang ebook PDF download

PACS and Imaging Informatics: Basic Principles and Applications By H. K. Huang Doc

PACS and Imaging Informatics: Basic Principles and Applications By H. K. Huang MobiPocket

PACS and Imaging Informatics: Basic Principles and Applications By H. K. Huang EPub

N6M7DX8PVO: PACS and Imaging Informatics: Basic Principles and Applications By H. K. Huang