

# Digital Communications

## FUNDAMENTALS AND APPLICATIONS

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2nd Edition

BERNARD SKLAR

## the Companion CD

ROBERT W. STEWART MAURICE L. SCHIFF

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● Getting Started with *SystemView*

● Exercises: Book Chapters 1-15

● Concise DSP Tutorial

● *Readme and Help*

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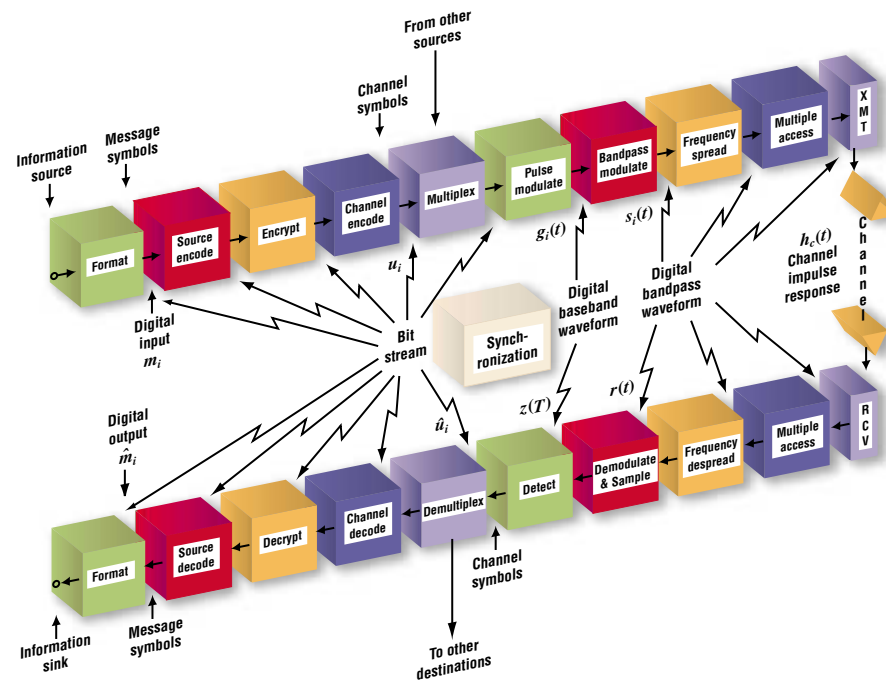
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PRENTICE HALL, 2001



**Dr. Bernard Sklar** has over 40 years of experience in technical design and management positions at Republic Aviation Corporation, Hughes Aircraft, Litton Industries, and The Aerospace Corporation. At Aerospace, he helped develop the MILSTAR satellite system, and was the principal architect for EHF Satellite Data Link Standards. Currently, he is head of advanced systems at Communications Engineering Services, a consulting company he founded in 1984. He has taught engineering courses at several universities, including the University of California, Los Angeles and the University of Southern California. He has also presented numerous digital communications training programs to industry throughout the world.

Dr Sklar has published and presented scores of technical papers. He is the recipient of the 1984 Prize Paper Award from the IEEE Communications Society for his tutorial series on digital communications. He is past Chair of the Los Angeles Council IEEE Education Committee. His academic credentials include a B.S. degree in Math and Science from the University of Michigan, an M.S. degree in Electrical Engineering from the Polytechnic Institute of Brooklyn, New York, and a Ph.D. degree in engineering from the University of California, Los Angeles. He can be reached via email at: [bsklar@ieee.org](mailto:bsklar@ieee.org)

## the Companion CD



**Dr Bob Stewart** has been faculty in the Department of Electronic and Electrical Engineering at the University of Strathclyde, UK, since 1990. Since 1997 he has also been a part-time Visiting Professor at the University of California, Los Angeles Extension School where he presents short courses on digital signal processing.

Dr Stewart's research interests are in digital communications, 3G and adaptive signal processing. Over the last 10 years Dr Stewart has published one book, two CDs, and authored more than 120 journal, conference and book chapter papers. He has presented many DSP and communication short courses to industry in both Europe and the USA. Dr Stewart is a Chartered Engineer, a member of the IEEE, the IEE, and an officer of the European Association of Signal Processing. Email: [bob@dspedia.com](mailto:bob@dspedia.com).



**Dr Maurice Schiff** has 30 years experience in the areas of digital communications and spread spectrum systems. He is Vice President and Chief Scientist at ELANIX, Inc., where he is responsible for the technical specifications of the company's products.


Dr. Schiff has worked extensively on spread spectrum systems, and a variety of military data links and DSP systems. He is a joint patent

holder on the synchronization system of the SINCGARS tactical VHF-FM frequency-hopping communication system. Dr Schiff has presented many short courses on digital communications and is he is also part time faculty at California State University, Northridge.

Email: [maury@elanix.com](mailto:maury@elanix.com).

# Readme and Help

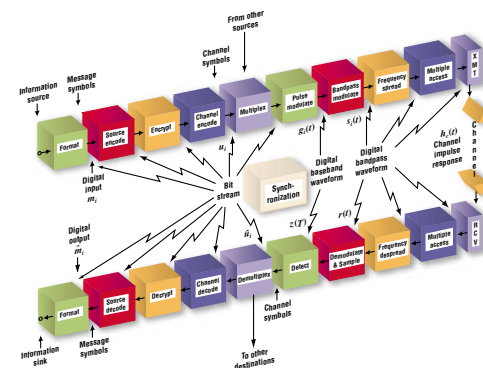
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the *Companion CD*

The authors of this Companion CD would like to thank ***Dr Patrick Ready, Igor Koyfman, Stephen Kratzet, Michael Farris*** and ***Victoria Becker*** at ***Elanix Inc.***, specifically for their efforts in developing the new Student Version of SystemView and for their excellent and professional support at all stages in the CD content production.

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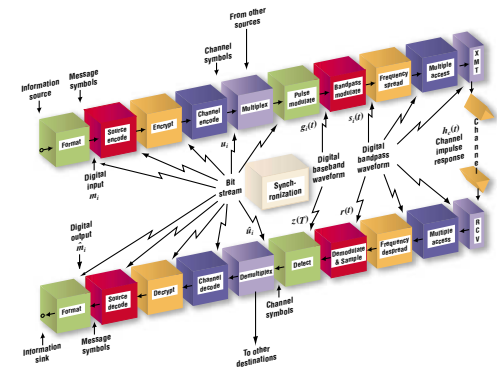
We hope you enjoy using this CD and the SystemView software. From our experience of university and industry short course presentation we are quite sure that it will enhance your learning, understanding, and engineering knowledge of modern digital communications.

*Bernard Sklar, Robert W. Stewart, Maurice L. Schiff*  
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