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dynamic processes are very  
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encountered in practical  
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simulation of a  
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requires a software-  
representable description of  
the system. The standard  
description of a system is a  
block diagram, where each  
block represents a signal-  
processing operation. The  
block diagram, as such, is  
really only a signal flow  
diagram in the sense...

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Simulation is an important  
tool used by engineers to  
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advanced communication  
systems that deliver optimal  
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hands-on, example-rich guide  
to modeling and simulating  
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systems. The authors take a  
systems-level approach,  
integrating digital

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## Simulation of Communication Systems

The simulation of communication systems is a multidisciplinary activity that combines elements from a number of diverse areas of specialization, some of which may be regarded as belonging to traditional communications disciplines and some as perhaps belonging more firmly on the simulation side.

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Systems - Springer  
Signal generation in MATLAB.  
An intuitive introduction to

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communication channels,  
transmission media: wired  
and wireless transmission  
channel noise, the basic  
channel models: a channel  
with Gaussian noise, the  
signal-noise ratio in the  
channel. More advanced  
models of communication  
channels, and their  
parameters.

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Systems - Modeling ...  
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Methodology And Techniques  
Michel C. Jeruchim , Philip  
Balaban , K. Sam Shanmugan

Since the first edition of this book was published seven years ago, the field of modeling and simulation of communication systems has grown and matured in many ways, and the use of simulation as a day-to-day tool is now even more common practice.

Modeling And Simulation -  
Military Communication  
Systems

Simulation of Communication  
Systems When both a complex  
system and a complex channel  
model are encountered, the  
result is typically a design



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or analysis problem that cannot be solved using traditional (pencil and paper) mathematical analysis. Computer-aided techniques, which usually involve some level of numerical simulation, can be a

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is a comprehensive suite of  
tools for emulating large  
wired and wireless networks.

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