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- Human-Centered Informatics
- Information Security, Privacy & Trust
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Plus general topics for engineers

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- Approximately 100 titles are added per year, with new titles added monthly
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Morgan & Claypool Synthesis eBooks Library Coverage

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Series Editor: Synthesis Lectures on Biomedical Engineering
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Series Editor: Synthesis Lectures on Image, Video, and Multimedia Processing
Former Editor: *IEEE Transactions on Image Processing*
Founder: IEEE International Conference on Image Processing

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Series Editor: Synthesis Lectures on Speech & Audio Processing
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Series Editor: Synthesis Lectures on Antennas
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A Primer on Memory Consistency and Cache Coherence
Daniel J. Sorin, Mark D. Hill, and David A. Wood

Essentials of Game Theory: A Concise Multidisciplinary Introduction
Kevin Leyton-Brown and Yoav Shoham

Introduction to Semi-Supervised Learning
Xiaojin Zhu and Andrew B. Goldberg

Sentiment Analysis and Opinion Mining
Mining Bing Liu

Learning Programming Using MATLAB
Khalid Sayood

Active Learning
Burr Settles

Performance Analysis and Tuning for General Purpose Graphics Processing Units (GPGPU)
Hyesoon Kim, Richard Vuduc, Sara Baghsorkhi, Jee Choi, and Wen-mei Hwu

Introduction to Statistics for Biomedical Engineers
Kristina M. Ropella

MATLAB for Engineering and the Life Sciences
Joseph V. Tranquillo

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Narayan Kovvali, Mahesh Banavar, and Andreas Spanias

Computer Architecture Techniques for Power-Efficiency
Stefanos Kaxiras and Margaret Martonosi

Linked Data: Evolving the Web into a Global Data Space
Tom Heath and Christian Bizer

Shared-Memory Synchronization
Michael L. Scott

Reasoning with Probabilistic and Deterministic Graphical Models: Exact Algorithms
Rina Dechter

Multithreading Architecture
Mario Nemirovsky and Dean M. Tullsen
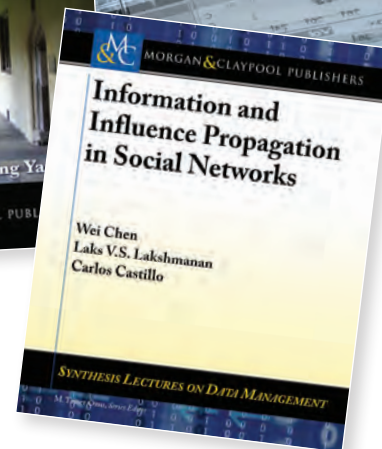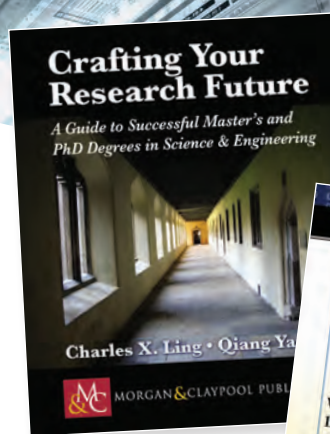
Security Basics for Computer Architects
Ruby B. Lee

On-Chip Networks
Natalie Enright Jerger and Li-Shiuan Peh

Pragmatic Logic
William J. Eccles

Transient Signals on Transmission Lines: An Introduction to Non-Ideal Effects and Signal Integrity Issues in Electrical Systems
Andrew F. Peterson and Gregory D. Durgin

Mining Heterogeneous Information Networks: Principles and Methodologies
Yizhou Sun and Jiawei Han

Introduction to Embedded Systems: Using ANSI C and the Arduino Development Environment
David J. Russell

Crafting Your Research Future: A Guide to Successful Master's and Ph.D. Degrees in Science & Engineering
Charles X. Ling and Qiang Yang

Understanding the Financial Score
Henry E. Riggs

Information and Influence Propagation in Social Networks
Wei Chen, Laks V.S. Lakshmanan, and Carlos Castillo

Profiles of Pioneers in Technology

The Morgan & Claypool Synthesis eBooks collection features a number of distinguished series editors who are considered pioneers in their fields. Highly-regarded for their numerous awards, inventions and achievements, they are expert contributors in diverse technology areas. A sampling of Morgan & Claypool editors:

Ron Brachman
Editor, Synthesis Lectures on Artificial Intelligence and Machine Learning

As the Chief Scientist and Head of Yahoo Labs, Ron has overall responsibility for leading Yahoo's science activities worldwide, including research and applied science, research engineering, and academic relations. Prior to joining Yahoo, Ron was the Director of Information Processing Technology Office at DARPA and held various leadership and management positions at AT&T and Bell Laboratories.

Fellowships	Awards
Fellow, Institute of Electrical and Electronics Engineers (IEEE)	Donald E. Walker Distinguished Service Award (IJCAI)
Fellow, Association for Computing Machinery (ACM)	Distinguished Service Award (AAAI)
Founding Fellow, Association for the Advancement of Artificial Intelligence (AAAI)	

John M. Carroll
Editor, Synthesis Lectures on Human-Centered Informatics

John is a professor at the School of Information Sciences and Technology at Penn State University and Director of Penn State's Center for Human-Computer Interaction. From 1994–2003, he served as the Department Head of Computer Science at Virginia Tech to establish an HCI focus in research and teaching at the university's Center for Human-Computer Interaction. In 1984 he founded the legendary User Interface Institute at the IBM Thomas J. Watson Research Center.

Fellowships	Awards
Fellow, Institute of Electrical And Electronics Engineers (IEEE)	Alfred N. Goldsmith Award (IEEE)
Fellow, Association for Computing Machinery (ACM)	Joseph T. Rigo Career Achievement Award (ACM)
Fellow, American Association for the Advancement of Science (AAAS)	Silver Core Award (IFIP)
Fellow, Association for Psychological Science (APS)	Chi Lifetime Achievement Award (ACM)
Honorary Fellow, Human Factors and Ergonomics Society (HFES)	

Nancy Lynch
Editor, Synthesis Lectures on Computer Science

Nancy is the NEC Professor of Software Science and Engineering in the EECS department at MIT. She also heads the Theory of Distributed Systems research group at the Computer Science and Artificial Intelligence Laboratory. She is an expert on distributed algorithms and impossibility results, and on formal modeling and validation of distributed systems.

Fellowships

Fellow, Association for Computing Machinery (ACM)

Fellow, Radcliffe Institute

Fellow, American Academy of Arts and Sciences (AAAS)

Member, National Academy of Engineering (NAE)

Awards

Emanuel R. Piore Award (IEEE)

Edsger W. Dijkstra Prize in Distributed Computing (ACM) (2001 and 2007)

Knuth Prize (ACM)

Van Wijngaarden Award (CWI)

Margaret Martonosi
Editor, Synthesis Lectures on Computer Architecture

Margaret is the Hugh Trumbull Adams '35 Professor of Computer Science at Princeton University, where she has been on the faculty since 1994. She also holds an affiliated faculty appointment in Princeton EE. From 2005–2007, Margaret served as Associate Dean for Academic Affairs for the Princeton University School of Engineering and Applied Science. In 2011, she served as Acting Director of Princeton's Center for Information Technology Policy (CITP).

Fellowships

Fellow, Institute of Electrical and Electronics Engineers (IEEE)

Fellow, Association for Computing Machinery (ACM)

Board of Directors, Computing Research Association (CRA)

Awards

Anita Borg Institute Technical Leadership Award

Ncwit Undergraduate Research Mentoring Award

Princeton University Graduate Mentoring Award

Jean Walrand
Editor, Synthesis Lectures on Communication Networks

Jean is a professor in the Electrical Engineering and Computer Sciences Department at the University of California, Berkeley, where he has been on the faculty since 1982. He is the author of *An Introduction to Queueing Networks and Communication Networks: A First Course* and co-author of *Scheduling and Congestion Control for Communication and Processing Networks.*

Fellowships

Fellow, Institute of Electrical and Electronics Engineers (IEEE)

Fellow, Belgian American Education Foundation.

Awards

Stephen O. Rice Prize, IEEE Communications Society

Koji Kobayashi Computers & Communication Award, IEEE

Lanchester Prize, Operations Research Society of America

Sigmetrics Achievement Award, ACM

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