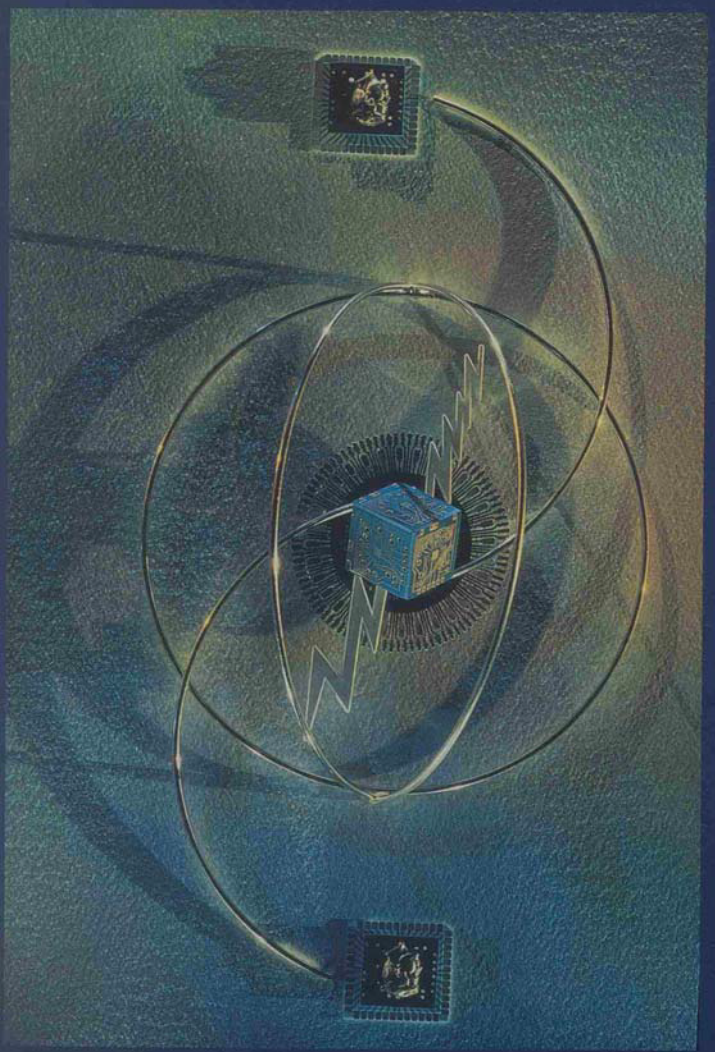
McGraw-Hill's BEST

BASIC ENGINEERING SERIES AND TOOLS

Introduction to the INTERNET FOR ENGINEERS



Raymond Greenlaw
Ellen Hepp

DOCKET ALARM
Find authenticated court documents without watermarks at docketalarm.com.

Introduction to the Internet for Engineers

RAYMOND GREENLAW
Armstrong Atlantic State University

ELLEN HEPP
University of New Hampshire

WCB McGraw-Hill

Boston Burr Ridge, IL Dubuque, IA Madison, WI New York San Francisco
St. Louis Bangkok Bogotá Caracas Lisbon London Madrid Mexico City
Milan New Delhi Seoul Singapore Sydney Taipei Toronto

DOCKET ALARM
Find authenticated court documents without watermarks at docketalarm.com.

LIBRARY OF CONGRESS
FEB 14 2000
CIP

TK5105
.875
.I57G744
1999
Copy 1

WCB/McGraw-Hill

A Division of The McGraw-Hill Companies

INTRODUCTION TO THE INTERNET FOR ENGINEERS

Copyright ©1999 by The McGraw-Hill Companies, Inc. All rights reserved. Printed in the United States of America. Except as permitted under the United States Copyright Act of 1976, no part of this publication may be reproduced or distributed in any form or by any means, or stored in a data base or retrieval system, without the prior written permission of the publisher.

This book is printed on acid-free paper.

1 2 3 4 5 6 7 8 9 0 DOC/DOC 9 4 3 2 1 0 9

ISBN 0-07-229143-5

Vice president/Editor-in-chief: *Kevin T. Kane*
Publisher: *Thomas Casson*
Executive editor: *Eric M. Munson*
Marketing manager: *John T. Wannemacher*
Project manager: *Amy Hill*
Senior production supervisor: *Heather D. Burbridge*
Freelance design coordinator: *Mary Christianson*
Cover image: *The Image Bank*
Supplement coordinator: *Matt Perry*
Compositor: *Techsetters, Inc.*
Typeface: *10/12 Janson*
Printer: *R. R. Donnelley & Sons Company*

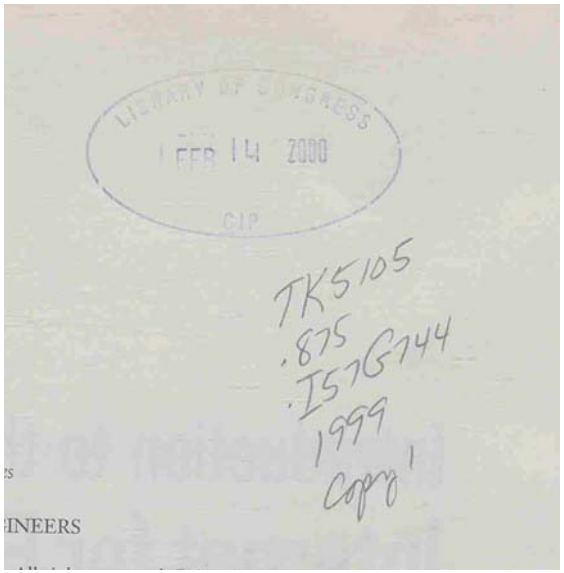
Library of Congress Cataloging-in-Publication Data

Greenlaw, Raymond
Introduction to the Internet for engineers/Raymond Greenlaw, Ellen Hepp.
p. cm.
Includes index.
ISBN 0-07-229143-5
1. Internet (Computer network). 2. World Wide Web (Information retrieval system). I. Hepp, Ellen. II. Title.
TK5105.875.I57G744 1999
004.67'8—dc21

98-32297

http://www.mhhe.com

DOCKET ALARM
Find authenticated court documents without watermarks at docketalarm.com.



DOCKET ALARM
Find authenticated court documents without watermarks at docketalarm.com.

Contents

Preface xv

1 Electronic Mail 1

1.1 Introduction 1
1.2 E-Mail: Advantages and Disadvantages 2
1.2.1 Advantages 3
1.2.2 Disadvantages 3
1.3 Userids, Passwords, and E-Mail Addresses 5
1.3.1 Userids 5
1.3.2 Passwords 6
1.3.3 E-Mail Addresses 7
1.3.4 Domain Names 8
1.3.5 E-Mail Address Determinations 10
1.3.6 Local and Systemwide Aliases 10
1.4 Message Components 13
1.5 Message Composition 16
1.5.1 Structure 17
1.5.2 Netiquette 19
1.5.3 Composition 20
1.6 Mailer Features 22
1.6.1 Compose, File, and Reply 23
1.6.2 Bracketed Text and Include 23
1.6.3 Forwarding 25
1.7 E-Mail Inner Workings 26
1.7.1 Mailer, Mail Server, and Mailbox 26
1.7.2 Store and Forward Features 27
1.7.3 Central Mail Spool and IMAP 29
1.7.4 Bounce Feature 30
1.8 E-Mail Management 32
1.8.1 Action Options 32
1.8.2 Vacation Programs 33
1.8.3 E-Mail and Businesses 34
1.9 MIME Types 35

DOCKET ALARM Find authenticated court documents without watermarks at docketalarm.com.

DOCKET ALARM

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts

Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research

With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips

Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS
Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS
Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS
Sync your system to PACER to automate legal marketing.