

## Top 10 Downloads from ACM's Digital Library

THE TOP 10 MOST POPULAR PAPERS FROM ACM'S REFEREED JOURNALS AND CONFERENCE PROCEEDINGS DOWNLOADED IN NOVEMBER 2005

Month Rank	Year Rank	Title, Author, Publication, Date
1	4	"The Google File System." Sanjay Ghemawat, Howard Gobioff, Shun-Tak Leung. <i>Proceedings of the 19th ACM Symposium on Operating Systems Principles</i> . Oct. 2003.
2	2	"Architectures for a Temporal Workflow Management System." Carlo Combi, Giuseppe Pozzi. <i>Proceedings of the 2004 ACM Symposium on Applied Computing</i> . Mar. 2004.
3	3	"dbSwitch." Shaul Dar, Gil Hecht, Eden Shochat. <i>Proceedings of the 2004 ACM SIGMOD International Conference on Management of Data</i> . June 2004.
4	7	"Computing Curricula 2001." CORPORATE: The Joint Task Force on Computing Curricula. <i>Journal on Educational Resources in Computing</i> . Sept. 2001.
5	10	"The Entity-Relationship Model—Toward a Unified View of Data." Peter Pin-Shan Chen. <i>ACM Transactions on Database Systems</i> . Mar. 1976.
6	22	"Privacy and Security in Library RFID." David Molnar, David Wagner. <i>Proceedings of the 11th ACM Conference on Computer and Communications Security</i> . Oct. 2004.
7	306	"Extensibility Safety and Performance in the SPIN Operating System." B.N. Bershad, S. Savage, P. Pardyak, E.G. Sirer, M.E. Fiuczynski, D. Becker, C. Chambers, S. Eggers. <i>Proceedings of the 15th ACM Symposium on Operating Systems Principles</i> . Dec. 1995.
8	36	"Searching the Web." <i>ACM Transactions on Internet Technology</i> . Aug. 2001.
9	23	"The Blocker Tag." Ari Juels, Ronald L. Rivest, Michael Szydlo. <i>Proceedings of the 10th ACM Conference on Computer and Communications Security</i> . Oct. 2003.
10	27	"A Hierarchical Symptom Classification for Model-based Causal Reasoning." C. Lee, P. Liu, S. Clark, M.Y. Chiu. <i>Proceedings of the 1st International Conference on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems—Vol. 1</i> . June 1988.

THE 10 MOST POPULAR COURSES AT THE ACM PROFESSIONAL DEVELOPMENT CENTRE FOR NOVEMBER 2005

Month Rank	Year Rank	Course Title	Month Rank	Year Rank	Course Title
1	4	UML Fundamentals	6	6	Introduction to SQL, Part I
2	1	Introduction to the Java Programming Language	7	7	Project Management: Initiation and Plan Launch
3	3	Introduction to C#	8	21	Introduction to Programming with VB.NET
4	8	Beginning to Program with the Java Programming Language	9	22	Using Decision and Looping Constructs With the Java Programming Language
5	5	Data Modeling	10	32	Getting Started With the Java Technology

Statistics for these tables were compiled Dec. 10, 2005.

# Hot Links

## TOP 10 MOST POPULAR MAGAZINE AND COMPUTING SURVEYS ARTICLES DOWNLOADED IN NOVEMBER 2005

Month Rank	Year Rank	Title, Author, Publication, Date
1	128	"Lowering the Barriers to Programming." Caitlin Kelleher, Randy Pausch. <i>ACM Computing Surveys</i> . June 2005.
2	8	"The Profession of IT: Who are We?" Peter J. Denning. <i>Communications of the ACM</i> . Feb. 2001.
3	178	"Making Information Cities Livable." Lee Sproull, John F. Patterson. <i>Communications of the ACM</i> . Feb. 2004.
4	426	"Topology Control in Wireless ad hoc and Sensor Networks." Paolo Santi. <i>ACM Computing Surveys</i> . June 2005.
5	1	"Data Clustering." A.K. Jain, M.N. Murty, P.J. Flynn. <i>ACM Computing Surveys</i> . Sept. 1999.
6	3	"Face Recognition." W. Zhao, R. Chellappa, P.J. Phillips, A. Rosenfeld. <i>ACM Computing Surveys</i> . Dec. 2003.
7	169	"One Giant Step Backward." Robert L. Glass. <i>Communications of the ACM</i> . May 2003.
8	2	"A Survey of Peer-to-Peer Content Distribution Technologies." Stephanos Androutsellis-Theotokis, Diomidis Spinellis. <i>ACM Computing Surveys</i> . Dec. 2004.
9	591	"Algorithms and Data Structures for Flash Memories." Eran Gal, Sivan Toledo. <i>ACM Computing Surveys</i> . June 2005.
10	87	"How Blogging Software Reshapes the Online Community." Rebecca Blood. <i>Communications of the ACM</i> . Dec. 2004.

This list does not include downloads for the October and November issues as those statistics tend to reflect e-subscribers downloading current issues.

## Coming Next Month in **COMMUNICATIONS**

### March

#### SELF-MANAGED SYSTEMS AND SERVICES

The distributed systems and services sustaining contemporary IT and communication infrastructures have become increasingly complex, pushing traditional management solutions to their limits, prompting researchers to test alternate paradigms to organize and structure them. Self-managed systems and services, which build on self-organized and self-stabilizing systems, have received a great amount of attention in integrated management, distributed systems, and software engineering. This section explores the potential of self-technologies for managing and controlling distributed systems and services, including self-management, self-organization, self-adaptability, self-monitoring, self-tuning, self-repair, and self-configuration.

#### Also in March:

- Mobile Web Surfing
- Successfully Maintaining Distributed Relationships
- Management Issues of Internet/Web Systems
- Argumentation Support
- Applications Quest
- Best Practices for Implementing an ERP Upgrade
- Women in CS: No Shortage Here!