August

September


14–19. 14th International Conference on Mobile Computing and Networking (MobiCom 2008; www.signmobile.org/mobicom/2008/), San Francisco. Sessions will focus on a broad range of issues in mobile computing and wireless and mobile networking at the link layer and above—networks, systems, algorithms, and applications that support the symbiosis of mobile computers and wireless networks.

14–17. The 33rd IEEE Conference on Local Computer Networks (LCN 2008; www.ieeeelen.org), Montreal. This informal workshop-style conference covers areas such as high-speed networking, high-performance protocols, local, metropolitan, and wide-area networks, internetworking, network and protocol design, wireless networks, routing and switching, multimedia networks, security, object-oriented communications, distributed systems, and real-time networks.

20–22. International Multiconference on Computer Science and Information Technology (IMCSIT; www.imcsit.org), Wisla, Poland.

22–24. IEEE International Conference on e-Business Engineering (ICEBE 2008; http://conferences.computer.org/icebe/topic.htm), Xi’an, China. Conference topics include IT infrastructure, platforms, and middleware; enterprise resource planning and supply-chain management; and component and service-based solutions for enterprise applications.

October


November
Emerging Technologies

Each year, MIT’s Technology Review magazine presents a special report on what it views as the 10 technologies that are “most likely to change the way we live” (www.technologyreview.com/special-reports/specialreport.aspx?id=25).

For 2008, the featured technologies include:

- **surprise modeling**, which involves combining massive quantities of data, insights into human psychology, and machine learning;
- **probabilistic chips**, Krishna Palem’s vision that might extend battery life in mobile devices;
- **nanoradio**, built from nanotubes and potentially applicable for cell phones, medical diagnostics, and much more;
- **wireless power**, physicist Marin Soljacic’s work toward a world running on wireless electricity; and
- **offline Web applications**, which could leverage Adobe’s HTML and Flash-based AIR runtime environment to create hybrid applications that let users take simultaneous advantage of the Internet and their own machines’ capabilities rather than abdicating all power to clouds.

Tools and Resources

ITtoolbox provides IT professionals a range of resources and community-building tools. The Emerging Technologies Knowledge Base section (http://emergingtech.ittoolbox.com) includes job listings as well as blogs, wikis, tutorials, and white papers on everything from Microsoft’s Vista to how Cisco uses IPTV to deliver certification training, as well as the latest Apple security update.

Internet Security

The nonprofit Center for Internet Security (CIS; www.cisecurity.org) works to help organizations reduce the risk of business and e-commerce disruptions resulting from inadequate technical security controls.

CIS members develop security configuration benchmarks through a consensus-building process with participants from the public and private sectors. The CIS Benchmarks and Scoring Tools are freely available for download by the Internet community.

Data Management

Data Management Association International (DAMA; www.dama.org) is a nonprofit, vendor-independent association of technical and business professionals seeking to advance the concepts and practices of information resource management and data resource management.

DAMA seeks to demonstrate how information and data-asset management affect corporate performance. It also cosponsors regional and international conferences and symposia presenting data practices and theories.

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Software Development

The Software Development Forum (SDForum; www.sdforum.org) is a Silicon Valley-based nonprofit organization that provides a venue for engineers, executives, researchers, technology leaders, and venture capitalists to exchange information on emerging technologies and best practices.

SDForum offers seminars, one-on-one advisory meetings, online discussion groups, Web resources, and a newsletter to help members connect with other software professionals and develop their careers.

Wireless Networks

PracticallyNetworked provides help for small network builders (www.practicallynetworked.com) with how-to information for setting up Internet sharing, walking users through the process from setting up and debugging their networks, through selecting a sharing method, to securing their newly shared LANs. Users can also find troubleshooting information, tips on getting special applications to work through firewalls, and product reviews on hardware routers, wireless, and local-area network products.

BOOKS

Managing Security Issues

In volume 2 of the sixth edition of Information Security Management Handbook (Auerbach Publications, 2008, ISBN 978-1-4200-6708-8, 495 pages), Harold F. Tipton and Micki Krause examine questions that those tasked with securing information assets might face, including the appropriate deployment of valuable resources, as well as how to deal with legal compliance, investigations, and ethical issues.

The book explores topics such as risk assessments; metrics; security governance, architecture, and design; emerging threats; standards; and business continuity and disaster recovery. It also examines physical security including access control and cryptography, and technology issues such as application controls, network security, virus controls, and hacking.

Persistence Technologies


Writing for IT managers, architects, administrators, developers, and testers, the authors address issues ranging from coding complexity and flexibility to scalability and licensing. They use a common example application to compare the leading proprietary and open source frameworks side by side; the companion Web site includes sample code that implements the example application.

Enterprise Database Migration


The book also explains how to use the EnterpriseDB replication server to meet business challenges, including cost-effective reporting in Oracle environments, high availability and disaster recovery, database performance enhancement, and data transfer.

This reference book covers the fundamentals and advanced techniques for using EnterpriseDB database server, advanced server, replications server, developer studio, procedural language debugger, database migration toolset, and database administrator management server.