

Emergency Telephony (ETel 2007)



27 February–1 March 2007
San Francisco

Technologists, CTOs, chief scientists, researchers, programmers, hackers, business developers, entrepreneurs, and other interested parties are invited to lead conference plenary sessions and workshops at ETel 2007. Topics will center on the innovations and projects occurring in open source telephony, wireless mobility, mobile telephony, Wi-Fi VoIP, telephone networks as platforms, and the intersection of VoIP telephony with Web services.

Open source software and telephony is a special area of focus for this conference. Open source platforms have been created and are being implemented by hackers and businesses alike. But the conference hopes to explore the next evolution, new hardware on the horizon, and improved capabilities. Organizers hope to solicit presenters that can demonstrate tool kits and technologies.

For the VoIP telephony/Web services intersection discussion, organizers seek submissions that explore what the future will look like when, for example, every site allows users to call someone's cell phone, or provides Web-calendar editing by just calling an artificial voice agent. The conference expects presenters and workshops to explore innovation potential and experiment ideas for Web/phone services startups.

<http://conferences.oreillynet.com/etel2007/>

Internet Telephony Magazine



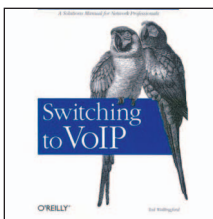
<http://www.tmcnet.com/voip/>

Technology Marketing Corp. (TMC) is a media company that specializes in the communications and high technology marketplace. The company publishes print magazines covering communications and technology, and hosts conferences and trade shows. This is the site for one of its publications, *Internet Telephony Magazine*.

Major information tabs line the left-hand side of the main page, directing traffic to areas focusing on service providers, the enterprise, developers, resellers, government, and consumers. Across the top of the main page are spread tabs directing visitors to sections dealing with VoIP, wireless, customer relationship management, call center, IT, IP communications, and VoIP for server message block. What's new, events, publications, forums, and contributors are additional navigational tabs for Web site visitors. The forums section deals with VoIP, call center, and WiMAX, each with further subdivisions for discussion, from FAQs and how-tos, to want ads and classifieds, to company-specific discussions (such as Skype, Sipura, and Triple Play).

Visit <http://www.tmcnet.com/channels/> to choose from dozens of customized Resource Description Framework summary news feed topics, including blogs and forums.

Taking the VoIP Plunge



Switching to VoIP, Theodore Wallingford. Many businesses get their phone service through the Internet instead of from local phone companies. Several companies also use their internal local area network and wide area network infrastructure to replace legacy enterprise telephone

networks. This migration to a single network carrying voice and data is called convergence, and the technology driving it is voice over IP (VoIP).

The author believes VoIP has advanced Internet-based telephony for a viable solution to business telephone challenges. The primary reason, the author argues, for migrating to VoIP is cost, as it equalizes costs of long distance calls, local calls, and emails to fractions-of-a-penny per use. But the author believes that the real enterprise turn-on is how VoIP lets businesses customize telecom and data-

com solutions using a single, cohesive networking platform.

This book provides solutions for the most common VoIP migration challenges. Network professionals who are migrating from a traditional telephony system to a modern, feature-rich network will be interested in this book. Readers can learn the strengths and weaknesses of circuit-switched and packet-switched networks, how VoIP systems affect network infrastructure, as well as solutions for common challenges involved with Internet Protocol (IP) voice migrations. The author explores topics such as building a softPBX, configuring IP phones, ensuring quality of service, scalability, standards-compliance, topological considerations, coordinating a complete system switchover, migrating applications such as voice mail and directory services, retrointerfacing to traditional telephony, supporting mobile users, security and survivability, and dealing with challenges of network address translation.

Wiley; ISBN 0596008686; 467 pp.; \$26.37.

Internet Telephony Conference and Expo 2007-East

23-26 January 2007
Ft. Lauderdale, Florida

This conference offers education, networking opportunities, vendors, resellers, developers, and keynotes from wide-ranging viewpoints. Presenters are forbidden from delivering company pitches in sessions; any who do are not invited back to future events. This encourages “commercial free” presentations for attendees. Each topic and presenter is hand-selected by Greg Galitzine, editorial director of *Internet Telephony Magazine*, and Rich Tehrani, editor-in-chief for Technology Marketing Corp.

Between sessions, attendees can meet more than 250 vendors and partners to discuss each exhibitor’s offerings. Keynotes include top executives from equipment manufacturers and service providers, all with extensive experience in telecom. “The Service Provider Shootout” and “Battle for the Enterprise” are two panel discussions in which vendors and service providers will share their vision of IP communications’ benefits.

Special sessions will cover areas of interest for the communications industry. In “The Future of IP Telephony,” a panel of IP communications industry experts offers perspectives on where IP telephony is headed and tries to predict the impact this rapidly developing technology will have on the way businesses communicate in the future.

<http://www.tmcnet.com/voip/conference/east-07/default.aspx>

China VoIP Conference and Expo

23-24 May 2007
Beijing, China



Networks are converging and IP’s influence is spreading, which makes this a good conference for exploring emerging marketplaces, services, technologies, standards, and platforms.

The conference will cover business and market topics such as VoIP business case; how VoIP can generate revenue; sizing up the market with growth projections for incoming/outgoing voice traffic; international long distance; pending changes to regulatory policies by the Media Independent Interface—the potentials, threats, and barriers; and VoIP 2.0—a glimpse into the evolution and future of VoIP protocol. Sessions and presenters in the business and market section will also explore strategies on becoming a successful and competitive VoIP service provider; how to turn a commercial VoIP deployment into a business success across China; licensing and alliances; new business development including portals, managed services, IP collaboration, conferencing, and integrated services; identifying unique features to differentiate service against competitors; China’s VoIP marketplace; bundling and pricing services to increase subscribers and attract high value customers; and cost/benefit analysis to determine if a company is ready for VoIP.

<http://www.china-voip.com/>

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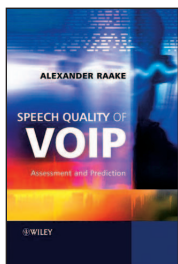
\$19US for nonmembers

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Speech Quality in VoIP



Speech Quality of VoIP: Assessment and Prediction, Alexander Raake. Set for publication in November, this book serves as a guide to assessing VoIP networks speech quality and addresses VoIP networks and systems design implications. The book explores both

the technical network world and the psychoacoustic world of quality perception. The author combines awareness of VoIP-network technical characteristics with original research concerning perceptions of the speech transmitted across them.

Starting from the network designer's point of view, the book first addresses the different network characteristics, and then links to features that users perceive. This book provides an overview of the available knowledge on aspects of speech and speech quality perception, of speech quality assessment, and of telephone and VoIP network transmission properties and their related perceptual features and resulting speech quality. The author discusses new research into the specific time-varying degradations VoIP brings along, including the potential quality improvement from wideband speech transmission.

The book offers insight into speech quality of VoIP from a user's perspective, presents an overview of different modeling approaches, and a parametric network-planning model for quality prediction in VoIP networks. It also discusses research on VoIP's quality degradation characteristic and explains how VoIP's wideband speech transmission capability greatly enhances telephone speech quality. The author also assesses the collection of references on the technical and scientific literature related to VoIP quality and illustrates concepts throughout with mathematical models, algorithms and simulations.

Wiley; ISBN 0470030607; 336 pp.; \$120.

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VoIP-calculator.com

<http://www.voip-calculator.com/>



Voice over IP Calculator is a resource for engineers and analysts involved in deploying VoIP. The site provides technical papers and free online calculators that can perform technical calculations relating to VoIP applications design.

The site offers VoIP software products to assist engineers and managers involved in deploying VoIP networks. These include VoIP Select, a VoIP traffic calculator that can calculate the bandwidth requirements for VoIP, taking voice compression, header compression, Real-Time Control Protocol control packets, packet interval, silence suppression, and data link overhead into account.

The site's latest addition is Westplan, a voice network design software tool supporting both traditional circuit switched links and VoIP. There is also a VoIP forum that lets visitors share ideas on the technical and operational aspects of VoIP and network convergence.

The site offers retail Internet telephony and wholesale A-Z termination through a Diffusing Update Algorithm (DUAL) Talk calling service. Online account management is available for all customers. The offer includes a power online accounting system for call shops and an advanced VoIP Reseller program.

The VoIP Directory is a searchable directory listing commercial sites involved in VoIP and informational resources, and a books section is available.

Technical notes discussing engineering design aspects of VoIP are also available.

XTech 2007: The Ubiquitous Web



15-18 May 2007
Paris

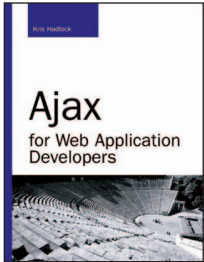
The theme of the 2007 XTech conference is "The Ubiquitous Web." Adam Greenfield, author of *Everyware: The Dawning Age of Ubiquitous Computing* (Peachpit Press, 2006), will present the keynote speech.

The conference's topics include ubiquitous computing and mobile devices, linking real-life artifacts into the Web, and how the Web and open data is affecting communities, businesses, and science.

The conference also plans to cover developments in core Web and XML technologies, Web browser technology, Web applications, and open standards and data. A call for participation in the conference will be made available during the third quarter of 2006, according to the site.

<http://xtech06.usefulinc.com/>

Ajax Creation

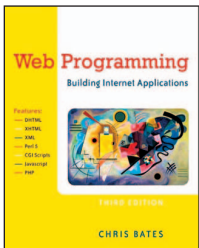


Ajax for Web Application Developers, Kris Hadlock. Set for publication in October, this book goes beyond Ajax basics and focuses on how to develop enterprise-level Ajax applications, providing hands-on development of a functional application along with coverage of debugging applications. Readers also can learn to create reusable, scalable engines and components.

The author presents the technologies used to create Ajax and explains how to create custom Ajax components that can be reused across multiple projects and connected with different data sources, such as databases, XML, or other text-based files. Readers can also learn how to create database connections and multiuser applications while following identified design patterns, exchange data with other technologies such as PHP (Hypertext Preprocessor) and ColdFusion, and implement security into Ajax applications for practical, real-world development.

Sams; ISBN 0672329123; 448 pp.; \$26.39.

Internet Apps from the Ground Up



Web Programming: Building Internet Applications, Chris Bates. The author of this book believes that Web programming is about more than creating and formatting Web pages and Web sites, though that is often a starting point for many. Using scripting languages such as Java-

Script, Perl, and PH, it becomes possible to add a lot more functionality to a site.

This book teaches how to work with Web technologies. From client development using HTML and Javascript, through full server-side applications written in ASP and Perl, the book covers the complete Web system. The author concentrates on immediately useful code rather than theory, and begins by creating reasonably simple Web pages with HTML. The book then works through related document and content tagging systems such as dynamic HTML and eventually XML.

Readers can learn how to format Web pages, write dynamic interfaces using JavaScript, link databases to Web sites, and track users through a site, among many other things. Wiley; ISBN 0470017759; 678 pp.; \$55.

Web Developers Notes



<http://www.webdevelopersnotes.com/>

WebDevelopersNotes.com offers free Web programming tutorials, Web master resources, tips, and tricks on HTML, JavaScript, Web design, Web promotion, and the Internet. The site has seven main sections: Internet and Web Basics, Web Programming Tutorials, Web Templates, Web Graphics Design, Tips and Tricks, Web Page Design, and Web Resources. Three of these sections (Tutorials, Web Graphics Design, and Tips and Tricks) are further divided into several subsections.

The Free Online Web Tutorials section covers HTML tutorials, advanced tutorials, JavaScript, SQL, Flash, and advanced Flash tutorials. The section is written with the beginner in mind, so visitors need no programming background. To get an idea of what the site views as “advanced,” consider that the Advanced HTML tutorials discuss topics such as tables in HTML, table code, how to create HTML frames, Web page frames, target attribute of anchor tags, inline frames, HTML forms, client side image maps, and meta tags. Also, the advanced Flash tutorial section covers topics such as animation motion tweening, text effect, fade-in and fade-out effects, special effects in Flash, Flash help splits, shape tweening, animation tween properties, motion on a defined path in Flash, Flash masking, Flash buttons, scroll menus, and mouse drags.

The Web Graphics Design section has articles on Web image optimization, Web image usage, image manipulation software and programs, and graphics editors. The articles in this section have been broadly classified into seven categories: Web image basics, GIFs, animated GIFs, JPEGs, Web image usage, favicons, and image editors.

A favicon is a small image that usually acts as a Web site identifier as it’s saved with the URL in the Bookmarks/Favorites folder, and is also displayed in the Location Bar and Tabs in Mozilla and Netscape browsers. The favicon section on the site teaches how to create a favicon for a Web site using popular favicon creation programs available on the Web. It also shows how and where to put the favicon online on a Web site.

Many image-editing programs are available in today’s market, with large variations in features and price. This section advises assessing an image editor’s features to understand if it suits requirements. For example, if work mainly involves photograph touchup, a vector-based image editor will be of little use (if at all), according to this site. This section evaluates graphics tools from Adobe, Corel, Macromedia, Jasc, Ulead, Xara, iPix, and The Gimp.

Web 2.0

7-9 November 2006
San Francisco



What began in 2004 as a focused gathering on the implications of the Web becoming a platform has changed into an event that focuses on Internet innovations—its services, applications, businesses, and models.

In 2004, Web 2.0 focused on one idea: The Web had become a platform for potentially new business forms. In 2005, the second annual Web 2.0 Conference focused on highlighting emerging innovations, with a particular emphasis on entertainment, communications, and IT industries.

This year, the focus is on widespread disruptions in the industry's traditional business models. The telcos square off against VoIP and bandwidth-hungry content companies. Entertainment and publishing companies struggle with consumer-driven media and the attention economy. And the IT giants such as Microsoft face the challenge of ad-subsidized free competitors such as Yahoo! and Google.

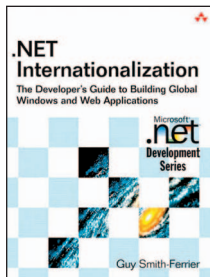
More than 50 leaders and entrepreneurs are scheduled to present an interactive forma, more than a dozen speakers will present 10-minute stand-and-deliver presentations designed to engage the audience, executives from platform businesses will address the future of the Web in plenary sessions, new Web technologies will be covered in workshops, and the second annual Launch Pad event will feature presentations by start-ups.

Conference topics include *Defining Web 3.0: What's Next?*; *Collision of the Titans: Publishers v. Platforms*; *Collective Intelligence or the Madness of Crowds?*; *What Might Go Wrong in Web 2.0?*; *Is the IPO Culture Over?*; *Launch Pad 2.0*; *The Tiered Internet: A Debate*; *Web 2.0 in China*; *High Order Bits*; *Disrupting the Disruptors: Incumbents Strike Back*; and *Privacy and Trust: Who Owns Your Data?*

One of the scheduled speakers is Vinton G. Cerf, a Google vice president. Cerf, known as one of the "Fathers of the Internet," is the codesigner of the TCP/IP protocols and the Internet's architecture.

<http://www.web2con.com/web2006/>

All the World's an App



.NET Internationalization: The Developer's Guide to Building Global Windows and Web Applications, Guy Smith-Ferrier. As business becomes more global, software developers need to make applications multilingual and culturally aware. The .NET Framework supports internationalization and globalization, and this book teaches developers how to use that support.

The author, an international application developer, covers the internationalization of both Windows Forms and ASP.NET applications, using both versions 1.1 and 2.0 of the .NET Framework. The book teaches how to take advantage of the globalization and internationalization features built into the .NET Framework and Visual Studio and provides original code that takes globalized applications to international utility and maintainability.

The book covers an introduction to the internationalization process and how localization and globalization are supported in Windows and the .NET Framework; also covered are resource managers, cultures, resource data link layers, localized strings, images, and files, including strongly typed resources. The author also covers form localization in Windows Forms and Web Forms, dealing with regional cultures and their casing, collation and calendars, managing right-to-left Middle Eastern text and pictographic, and East Asian languages.

Readers will learn how to use the book's original resource administration utilities, how to translate resources with machine translation, how to create custom cultures and integrate them with the .NET Framework 2.0 and Visual Studio 2005, and how resource managers work. The book also discusses how to write custom resource managers—including a resource manager that uses a database—how to test internationalization with Microsoft's FxCop using new and existing globalization rules, and how to effectively include the translator in the internationalization process.

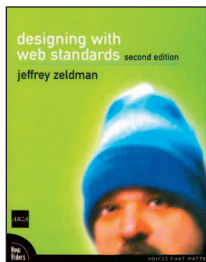
Developers, architects, and managers will be interested in this book prior to beginning development.

Addison-Wesley; ISBN 0321341384; 672 pp.; \$32.99.

IT Pro Resources

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WEB APPLICATIONS A Standard Web



Designing with Web Standards, Jeffrey Zeldman. Standards, argues the author in this book, are the only hope for breaking out of the endless cycle of testing that plagues designers hoping to support all possible clients. In this book, he explains how designers can best use standards—primarily XHTML and CSS, plus ECMAScript and the standard Document Object Model (DOM)—to increase personal productivity and maximize availability of creations. The author also takes care to explain how features of standards evolved, which will interest professional designers.

Although the author spends time explaining how much easier life would be if browser developers would just support standards properly, he recognizes that browsers implement standards differently and that the Web designer is responsible for maintaining functionality. The book includes tips (with code) that have to do with working on noncompliant browsers, without fouling up more compliant browsers.

Peachpit Press; ISBN 0321385551; 432 pp.; \$28.34.

Webmonkey Developer's Resource



<http://webmonkey.com/>

The easiest way to get started at this site is to choose—based on a visitor's skills and goals—a launching pad area of the main page. Newcomers to Web design should take a look through the Beginner section; visitors with more advanced site-building skills looking to improve site-building techniques should angle for the Builder section. Advanced visitors who are looking to serve a site, slap together a database, or rebuild a backend should head to the Master area.

Webmonkey has tutorials and articles sorted into seven categories: Authoring, Design, Multimedia, E-Business, Programming, Backend, and Jobs. Each of these categories has a corresponding folder in the sidebar on the left side of the page. Click around to find the subcategories, which can help narrow down a subject search. The complete list of every subcategory is available to provide a global view of the site. And a Search box is at the top of every page.

The Authoring section breaks down into subcategories including HTML basics, tables, frames, browsers, tools, stylesheets, DHTML, and XML.

The Future of Web Apps



13-14 September 2006
San Francisco

This is an opportunity to discover how the Web's successful sites and applications were built, plus attendees can get advice on creating Web apps. Developers, business owners and entrepreneurs will be interested in this two-day Web development conference. Online registration is available at http://www.carsonworkshops.com/register/20060913_SUMMIT.php.

Fourteen speakers are scheduled to present at the conference. Dick Hardt of Sxip will discuss the emerging age of "Who." Kevin Rose will discuss his company, Digg, and the popularity of the site. Tom Coates will discuss directions in social change on the Web. John Battell, author of "The Search," will hold a book signing. Tantek Celik will show best practices with Microformats. Steve Olechowski, cofounder of FeedBurner, will discuss RSS. Carl Sjogreen will discuss the building of Google Calendar, and Mike Davidson will discuss the effectiveness of user-driven content.

XML to the Rescue



XML Problem Design Solution, Mitch Amiano, Conrad D'Cruz, Kay Ethier, and Michael D. Thomas. The authors' approach to learning XML involves walking readers through the process of building a complete, functional, end-to-end XML solution. The book features a case study of an online

business product catalog that includes reports, data input/output, workflow, stylesheet formatting, RSS feeds, and integration with external services like Google, eBay, and Amazon.com. Readers will learn how XML markup allows a business to share data across applications internally or with partners or customers, even though they might not use the same applications.

This guide shows the power of XML by presenting an enterprise application problem—throughout the book—that readers will create a program to solve. Each chapter takes one part of the featured project and leads the reader through its solution's design. The authors progress through sections of increasing depth, each one developing a more advanced treatment of XML.

Readers can learn various resolutions to common business and technology needs that are best solved using XML. Wrox; ISBN 0471791199; 333 pp.; \$23.09.