



May 10-11, 2011 / Moscone Center, San Francisco

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## Sessions

Filter By: [All Tracks](#)

Details for these preview sessions are subject to change.  
More sessions will be added soon.

Ben Collins-Sussman

### Concurrent Versions System: The Future of Version Control

Are you still using RCS to track versions of your source code files? You should be using CVS instead. With CVS, you no longer need to provide FTP tarballs of your source code -- using a cutting-edge anonymous network protocol, a \*CVS server\* can make all of your code available to the public for anonymous checkout.

Track: [Version Control](#)

Session Level:

Tags: [version control](#)

Andrew Gerrand

### Distributed Systems Programming with Limbo

Limbo is a new programming language from Bell Labs. Intended for applications running distributed systems on small computers, it supports modular programming, strong type checking at compile- and run-time, interprocess communication over typed channels, automatic garbage collection, and simple abstract data types. This session will introduce Limbo and get you started writing Limbo code for the new Inferno Operating System.

Track: [Languages](#)

Session Level:

Tags: [Limbo](#)

Michael Manoochchri

### Getting Ready for SMS: The Mobile Phone Revolution is Here

SMS is an exciting technology that allows cellular telephone users to send and receive up to 160 characters of text! Learn about SMS and our vision for more powerful and useful cellular

Ikai Lan

### Building Rich Internet Applications with Javascript

This session will discuss the use of cutting edge JavaScript technologies such as alert(), document.write(), window.status and meta-refresh to build rich, real-time internet applications that rival Applets in terms of user experience. You'll learn about how Netscape Navigator 2.0 beta makes all this and more possible, and how to maximize usability for screens that can support up to 800x600 resolution.

Track: [Dynamic Web](#)

Session Level:

Tags: [JavaScript](#)

Michael Manoochchri

### Webmail Optimization Strategies: When 2 Megabytes isn't Enough

It's hard to believe, but for some power users, even 2 Megabytes of online storage just isn't enough! This session will cover some best practices for helping you decide what messages to delete, and what to keep.

Track: [Enterprise](#)

Session Level:

Tags: [Webmail](#), [email](#)

Michael Manoochchri

### HTML 3 Rocks: Build Websites with Tables, Applets, and Flowing Text

On the web, no technology is more anticipated than the new HTML 3 draft specification. We'll teach you how to create a table, flow text around images, and even how to create eye-catching

telephones.

Track: [Mobile](#)  
 Session Level:  
 Tags: [Mobile](#)

Michael Manoochehri

## Imagining the Year 2065: Computers in your Pocket, Talking Maps that Give Directions, and Self Driving Cars

In this exciting session, we ask a panel of our smartest engineers to imagine what technology will be like in the year 2065. Will the Internet ever be fast enough for video? Will we run out of IPv4 addresses? Are tablet computers just a fantasy?

Track: [Future Tech](#)  
 Session Level:  
 Tags: [Future](#)

Jason Robbins

## Building a Scalable Server Farm with Legos

The BackRub research project has evolved into Google web search, and we've needed to scale up our server farm quickly and flexibly. Come see the latest in ad-hoc rack mount server case mods. We'll address the trade-offs between Lego and Duplo bricks. Image: <http://i.zdnet.com/blogs/legoserver.png>

Track: [Web](#)  
 Session Level:  
 Tags: [Servers](#), [Operations](#), [Legos](#), [CaseMods](#)

Jarek Wilkiewicz

## The Past, Present and Future of Distributed Objects

Distributed systems require a robust and flexible communications framework. In this talk we will cover evolution and features of most advanced approaches such as the Common Object Request Broker Architecture (CORBA) as well as offer a sneak peak at some promising new work in the distributed systems based on REST.

Track: [Distributed Computing](#)  
 Session Level:  
 Tags: [CORBA](#), [XML](#), [DII](#), [IIOF](#), [COM](#), [DCOM](#), [IDL](#)

Ali Afshar

## Optimizing for Netscape Navigator 4.08

In this talk we'll discuss the steps Google takes, and the steps you can take to optimize the online experience for Netscape navigator 4.08 users. We will optimize for user experience and speed.

web pages without using any "blink" or "marquee" tags!

Track: [HTML](#)  
 Session Level:  
 Tags: [HTML](#)

Filip Hracek

## Take Your Internet Site to the Next Level: The <MARQUEE> Element and Its Uses

In this session, HTML programmers will learn about the exciting new world of moving text on the World Wide Web. Chief <MARQUEE> Evangelist Filip Hracek will show how to use this amazing technology and how to best combine it with the <BLINK> tag.

Track: [HTML](#)  
 Session Level:  
 Tags: [HTML](#)

Scott Knaster

## Cyberdog: on the Internet, Nobody Knows You're a Dog

Apple's Cyberdog uses the power of OpenDoc to assemble all the Internet applications your users will need: web browser, email, FTP, and more. Learn how to make your applications compatible with OpenDoc and get in on the ground floor before CyberDog takes over the web.

Track: [Web](#)  
 Session Level:  
 Tags: [Web](#), [browsers](#)

## Fostering Successful Technology Communities using IRC

In this talk, we'll discuss how Google has created and nurtured its first successful online web page developer community using up and coming technologies like IRC and USENET.

Track: [Developer Communities](#)  
 Session Level:  
 Tags: [IRC](#), [USENET](#)

Prashant Tiwari

## Not your Mother's Web Apps!

Get ready for the next generation of ASCII art and GIF images — the internet's look and feel is going to get flashier as more and more web developers adopt Flash. This session will get you started on making your own interactive Flash apps and cool games as you learn how to work with MovieClips and quickly embed some nifty JavaScript.

Track: [Web](#)  
 Session Level:  
 Tags: [browsers](#)

Reto Meier

## What the WAP?!

Learn how to create the best user experience for modern WAP phones featuring displays with up to 5 lines of monochrome text.

Track: [Mobile](#)  
 Session Level:  
 Tags: [Mobile](#), [Web](#)

Andres Ferrate

## Static Images? No More!

Have you seen the dancing baby on the web??? There's a revolution coming: the animated GIF. Add wow and pizzazz to your web site with graphics that scream for attention. Learn the fundamentals and advanced topics, such as placing special emphasis on banners with alternating backgrounds and giving the illusion that your text is rotating wildly.

Track: [Web](#)  
 Session Level:  
 Tags: [browsers](#), [web](#), [graphics](#), [GIF](#)

Jason Robbins

## Y2K Crises Response

The end is near! First, we need to make it through Sept 9, 1999. That's right, 9/9/99 has been used as an end-of-file marker in legacy systems for decades, now it is finally happening. We'll cover how to represent dates correctly in your web systems, and how to buy 10 years more time for legacy systems by pivoting on the year 1911. Also, tickets will be available for a computer-free ocean cruise and New Year's Eve party to ring in the new millennium.

Track: [Web](#)  
 Session Level:  
 Tags: [Web](#), [Y2K](#)

Daniels Lee

## Monkey 101: The Missing Link

Ever had your hands full and wish you had a monkey to complete mundane day-to-day tasks so you can focus on staying creative, productive, and focused? Google's R & D team with the help of the world's leading scientists and researchers finally created a system to programmatically allocate and task live monkeys to perform a growing assortment of actions. Be one of the first developers to get your hands on the latest Google Monkey API, launching in beta this year! Learn how to allocate and assign live monkeys to perform an assortment of interesting tasks for you such as data entry, note-taking, slow dancing, basic table service, and simple laundry.

Track: [Research & Development](#)  
 Session Level:  
 Tags: [Future](#)

Track: [Web](#)  
 Session Level:  
 Tags: [Flash](#)

Todd Kerpelman

## Web Pages -- Silent No More!

The Internet used to be a silent and desolate place, but no longer! Imagine the joy your users will feel when, as they visit your site, they're greeted with music -- MIDI or .wav -- to provide a full multi-media experience! This lecture will focus on the exciting new features of the <EMBED> tag. Don't be left behind!

Track: [Web](#)  
 Session Level:  
 Tags: [Web](#)

Paul Carff

## Where Are You?

The Vatican is now on line - are you? Join us and learn how to bring your business into the virtual world (even without the Vatican help!) Lets discover the new server technology and approaches to get your presence beyond the brick and mortar and into the heavens.

Track: [Web](#)  
 Session Level:  
 Tags: [web](#), [HTML](#), [business](#)

Michael "axelf.mid" Mahemoff

## Beyond Visual: A Sound Idea

So you've tricked up your homepage with a neat table layout, integrated a frameset for navigation, and added a scrolling ActiveX ticker to show your graphics-fu (works best when viewed in Internet Explorer). What's missing here? Sound of course! You can hardly claim your site is up to the standard of a CD-ROM brochure if it's emitting the sounds of silence. In the session, you'll learn how to play the Beverly Hills Cop soundtrack whenever a user visits your site. As an advanced technique, learn how to loop the sound forever. Your users won't thank you enough for this multimedia celebration.

Track: [Web](#)  
 Session Level:  
 Tags: [browsers](#), [web](#), [audio](#), [midi](#)

Chris Wilson

## Cutting-edge Visual Layout with <TABLE>

Having already mastered the <FONT> tag and FLOAT attribute, maybe you're ready for the next step in killer visual HTML layout - the brand new <TABLE> element! Learn to master the complete control of table-based layout in HTML.

Track: [Web](#)  
 Session Level:  
 Tags: [Web](#), [HTML](#)

Paul Irish

## JavaScript and JScript: Your Web Sights Sparkle Factory

Have you wanted to add scrolling sparkles to your browser's status bar? How about sparkle trails following where your mouse cursor goes? `<blink>` might be the sparkle center of HTML, but with JavaScript and JScript you can add sparkle everywhere! In this session, you'll learn how to use a search engine to find JavaScripts on Dynamic Drive and other scripting resources that you can copy and paste into your HTML code. Attendees are required to have Notepad.exe and some practice with copy and paste.

Track: [Web](#)

Session Level:

Tags: [web](#), [html](#), [javascript](#)

Darb Smarba

## Introducing Java: the "Write Once, Run Anywhere" Runtime

Learn how to program the web with large monolithic components that require a huge runtime redistributable. Run code in the web, on huge servers or on your Java ring!

Track: [Web](#)

Session Level:

Hanrui Gao

## Go Tableless

Have you found that `<table>` sometimes made you crazy?! Have you noticed that `<table>` could slow down your page rendering? Want a better solution? Come on, join us! We revel in DIV+CSS web design and we firmly believe it's a big progress to use DIV+CSS to supersede `<table>` in layout arrangement.

Track: [Web](#)

Session Level:

Tags: [web](#), [html](#), [tableless](#)

Justin Mattson

## Introduction to WAP: How Mobile Data Changes Everything

WAP will bring a revolution to mobile phones by allowing them to browse the web and use data in new and interesting ways. We'll go over how you can use WAP to deliver a compelling experience to your mobile users at wicked speeds.

Track: [Mobile](#)

Session Level:

## Session types

### 101

101 sessions don't require previous knowledge of a particular product or technology. They include overviews of a technology and introductions into new areas.

### 201

201 sessions provide a deeper dive into a technology or product. These sessions go beyond the basics and are aimed at developers already familiar with a technology.

### 301

301 sessions assume an advanced understanding of a technology or product.

## Fireside Chats

Q&A is often the best part of a session, as it gives developers a chance to ask what's on their minds. Fireside chats are a chance to talk to the product engineering teams.

## Tech Talks

Google has a tradition of holding informative Tech Talks on campus that offer insight into an area. In that tradition, Google I/O features Tech Talks on subjects of interest to developers, such as computer science problems and programming languages.