

Visual Studio LIVE!

EXPERT SOLUTIONS FOR .NET DEVELOPERS



YOUR MAP TO THE .NET DEVELOPMENT PLATFORM



Register Today!

Las Vegas | **March 26-30** |
Mirage Resort and Casino

WHAT YOU LEARN IN VEGAS WON'T STAY IN VEGAS

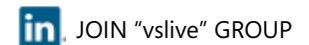
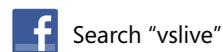
**Intense Take-Home Training for Developers,
Software Architects and Designers**

- Windows 8, WinRT
- Silverlight / WPF ➤ Web
- Visual Studio 2010+ / .NET 4.0+
- Cloud Computing ➤ Data Management
- HTML5 ➤ Windows Phone 7
- Cross Platform Mobile



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A Message from the Co-Chairs

The Microsoft Development Platform is reaching a huge milestone. With Windows 8 waiting in the wings, critical praise and Nokia's support for Windows Phone, the industry-wide HTML5 push, Big Data and continual emphasis on Cloud Computing, just about everything is changing and growing.

We think there's a great way to digest these changes and seize their collective opportunity. And that's to hear about them directly from the finest expert speakers in the business.

We're Andrew Brust and Rocky Lhotka, and as Conference Co-Chairs for Visual Studio Live! Las Vegas, we'd like to personally invite you to join us this March in Las Vegas, Nevada, where we'll have some of the best content and speakers that you'll find at a technical conference.

We've put together a blockbuster lineup of sessions on: Windows 8/WinRT, HTML5; Windows Phone Development, Silverlight and WPF; Data Management and Cloud Computing.

We've also got coverage on new tools like Visual Studio LightSwitch, WebMatrix and Orchard; the Microsoft .NET Framework 4.0 and Visual Studio 2010; and workshop content on Visual Studio ALM, SQL Server 2012, software architecture and more. These sessions burrow deep into the new subjects you need to master and the fundamentals that are always important.

Hardcore content from independent experts isn't a luxury. At this point in the industry, it's a necessity. Find a way to get to Visual Studio Live! Las Vegas. Your career will thank you.

We hope to see you there!



Andrew Brust
Visual Studio Live! Co-Chair



Rockford Lhotka
Visual Studio Live! Co-Chair

Visual Studio Live! Las Vegas Advisory Council



Andrew Brust
Visual Studio Live!
Las Vegas Co-chair
Founder & CEO,
Blue Badge Insights



Michael Desmond
Editor in Chief,
MSDN Magazine



Rockford Lhotka
Visual Studio Live!
Las Vegas Co-chair
Principal Technology
Evangelist, *Magenic*



Keith Ward
Editor in Chief,
Visual Studio Magazine

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Las Vegas | March 26-30 | Mirage Resort and Casino

Reasons to Attend Visual Studio Live! Las Vegas →

1. **AN EVENT YOU KNOW AND TRUST.** Visual Studio Live! is THE resource for developer-focused content.
2. **WHO DOESN'T LOVE A GOOD DEAL?** Get quality .NET education (and lots of it) at a reasonable price.
3. **A LITTLE BIT OF THIS, A LITTLE BIT OF THAT.** We feature both unbiased industry experts and Microsoft insiders, so you'll hear every side of the story on the most recent software and industry updates.
4. **COPIOUS CODING CONTENT.** We offer 5 days of educational sessions in tracks like Visual Studio 2010+ / .NET 4+, Cloud Computing, Data Management and Windows Phone 7.
5. **WORK IT OUT IN DEEP-DIVE WORKSHOPS.** Check out the five in-depth workshops that feature hot topics in the .NET developer space.
6. **BUY 1, GET OVER 30 FREE!** Come hear your favorite industry speakers all in one place, including Andrew Brust, Billy Hollis and Rockford Lhotka, just to name a few.
7. **IT'S ALL IN THE NAME.** Your gateway to all .NET development is Visual Studio 2010, which enhances many existing Visual Studio features and adds to others. Get the information you need to understand and leverage the power of .NET 4 and Visual Studio 2010.
8. **NOW, NEW AND NEXT.** Find out what's happening in the Microsoft and developer landscape.
9. **NETWORK WITH YOUR NEIGHBORS.** Developers, software architects and designers will all be at the conference – take advantage of the meal times and networking events to get to know your fellow attendees and speakers.
10. **VIVA LAS VEGAS!** Stay and play at Visual Studio Live! headquarters – The Mirage Resort & Casino.

Events & Activities

Your attendance at Visual Studio Live! Las Vegas is about learning from your peers as well as the experts. We've designed the conference with networking in mind to help you make the most of your time with us.



WILD WEDNESDAY WITH DEVELOPER DUEL

Wednesday, March 28

Wild Wednesday is your chance to unwind with drinks and snacks while you join your fellow attendees and speakers for a highly informal (if not irreverent) but educational fun evening—and get the chance to win great raffle prizes.

In addition to a fun and informational program, join us for Visual Studio Live!'s Developer Duel! This game show style event will pit teams of 5 developers and speakers against each other to try and guess the most popular answers to survey questions. Answer our survey questions when we send them out and attend the event to see how your answers rank against your peers. And if you're lucky, you'll be selected to come on down and be on stage guessing for yourself with a chance to win fabulous prizes! Survey says: You are in for a good time!

Visual Studio Live! Keynote: The Future of User Experience: The Natural User Interface (NUI)



Tim Huckaby,
*Microsoft RD & MVP,
Chairman/Founder,
InterKnowledge, CEO/
Chairman, Actus
Interactive Software*

**Wednesday,
March 28
8:00 – 9:00 a.m.**

We are seeing a paradigm shift in the use of software. Similar to when graphical user interfaces with the mouse changed the way we used software; we are seeing the same type of software use revolution in the Natural User Interface (NUI). NUI applications are controlled with touch, with physical & virtual objects, with

gesture, and ultimately with neural interfaces.

The bye-product of this NUI revolution is a reinvigorated focus on user experience to tackle the challenges "above the hood." Rich client and rich internet application (RIA) developer technologies have created even greater opportunities for the creation of awesome user experiences in applications. When you couple that with the advent of multi touch capable hardware at consumer prices and the easy to implement, high level APIs in frameworks to leverage multi-touch capabilities, we have the start of the new age of software focused on the Natural User Experience (NUI). NUI applications manifest in "new" platforms such as

Windows, Surface, IOS, Mobile, and Kinect. And they manifest in developer technologies like WPF, Silverlight & WinRT and all can leverage innovative capabilities like Multi-touch, Cloud and parallel computing.

But, NUI is more than just multi-touch. NUI is also gesture-based interfaces using the Kinect tracking full body movement, facial expressions, and voice recognition with precision. And within the decade NUI will be Neural based interfaces (both conscience and non-conscience).

This demo focused keynote will take an amusing look at the past and take an impressive look at some of the best software being built today and into the immediate future.

Events & Activities

NETWORKING BREAKFASTS

Monday, March 26 through
Friday, March 30

Coffee and pastries will be served each morning of the conference, allowing you more time to meet and mingle with your peers.

BIRDS-OF-A-FEATHER LUNCH

Wednesday, March 28

Benefit from the knowledge and experience of your colleagues by sitting at one of the Birds-of-a-Feather tables at lunch.

Visual Studio Live! BOF Topics:

- ASP.NET (Ajax, jQuery, MVC)
- Silverlight/ WPF
- SQL Server
- ALM
- SharePoint
- LINQ, Entity Framework, ADO. NET Data Services
- WCF, WF and AppFabric
- .Net 4.0/VB 10/C# 4.0
- Cloud Computing (Windows Azure & Live Mesh)
- Mobile Development
- Visual Studio LightSwitch
- HTML 5/IE 9
- Windows 8



KEYNOTES

→ **"Keynote speakers were great and there were several sessions that will change the way I program. I really liked that the session presenters were realistic about Microsoft shortcomings and where they excel. I really enjoyed it."**

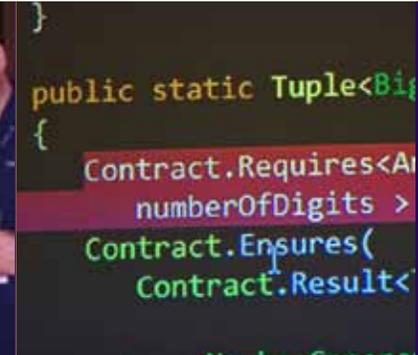
Monte Ellis, CTO, TKG Stagemart



NETWORK

"Visual Studio Live is an electrifying event for a software developer. I can bond with other developers, share memorable moments, and just have an amazing time doing what we love – coding."

*Tim Moore, Software Engineer,
Civil Air Patrol*



SESSIONS

"The sessions were informative and will prove highly useful in my job. It really motivated me and gave me new ideas for projects."

*Michael Cross, Niagara
Regional Police Service*

Stay Connected to Visual Studio Live! on our social networks



Hotel Information

The Mirage Resort & Casino – Home to All Visual Studio Live! Sessions & Activities

All conference sessions and events are located at the Mirage Resort & Casino, where a block of rooms has been reserved for attendees.

The Mirage

3400 S. Las Vegas Blvd.
Las Vegas, NV 89109
Reservations: 800-499-6311

Book your room at the Mirage before February 16, 2012 at the special Visual Studio Live! attendee rate of \$144/night. Reservations can be made online, or by calling 1-800-499-6311 and refer to group Visual Studio Live. Rooms are subject to availability.

Travel

Air Travel Discounts

American Airlines, the official airline for Visual Studio Live! Las Vegas, is offering a 5 percent discount to all Visual Studio Live attendees. The discount can be booked online at www.aa.com, or by calling (800) 433-1790. (Ticketing fee will apply if reservation is made by phone.) Use authorization number A5432BJ as the discount code when booking online or calling directly.



This special offer applies to travel from all markets where American Airlines, American Eagle, American Connection Service, and all One world carriers provide service. Discounts apply to discountable fares where American Airlines, American Airlines code share, or One World Alliance partners are involved. AA must be the governing carrier.

Car Rental Discounts

Avis is the official car rental company for Visual Studio Live! Las Vegas 2012. For reservations, call (800) 331-1212 and use the AVIS worldwide discount code is D005872, or book online.

Directions, Shuttle Service, Taxi & Parking

Rental Car Driving Directions from McCarran International Airport

Exit the airport on Swenson. Turn left at Tropicana Avenue. Go about 1½ miles until you reach Las Vegas Blvd. Turn right on Las Vegas Blvd. and go about a mile. The Mirage is on the left side of the Strip (Las Vegas Blvd.). You should anticipate 15-30 minutes travel time, depending on traffic.

Taking a shuttle from McCarran International Airport to the Mirage

Several companies offer shuttle service to and from McCarran International Airport (approximately \$5.00 per person one-way). Signs are posted on the transportation level at the airport outside baggage claim which will direct you to the shuttle area. Return shuttles run from The Mirage to the airport from 6:00 a.m. to 1:30 a.m. Reservations are recommended for airport returns after 6:00 p.m. The Mirage Bell Desk can assist you with the arrangements.

Taxi service to the Mirage from the airport costs approximately \$12 to \$15 one-way.

Parking at the Mirage

In addition to complimentary valet service, the Mirage has plenty of secure free parking in the self-park garage at the north entrance of the hotel.



If you select the **Complete Conference & Hotel Package** when registering, a hotel room at the Mirage Resort & Casino will be reserved for you. You will check in on Sunday, March 25 and check out on Friday, March 30 for a total stay of five nights.

As a guest at the Mirage, you'll enjoy:

- One of over 3,044 guest rooms, including 281 suites
- The tropical pool environment that includes two pools and three spas surrounded by waterfalls, lush foliage, private cabanas and an outdoor café
- Amazing Entertainment including The Beatles™ LOVE™ by Cirque du Soleil®, Terry Fator: Ventriloquism in Concert, and Aces of Comedy™
- Over 15 dining opportunities to meet and exceeded everyone's expectations
- More than 100,000 square feet of gaming, including Blackjack, Craps, Roulette, European Roulette, Baccarat, slot machines, video poker and more
- Hotel attractions that include Siegfried & Roy's Secret Garden and Dolphin Habitat, the Mirage Volcano, Aquarium, nightclubs, lounges, bars, shopping, and more

Agenda At-A-Glance (Monday & Tuesday)

For the complete session schedule and full session descriptions, please check the Visual Studio Live! Las Vegas web site at vslive.com/lasvegas

HTML5	Web	Visual Studio 2010+/.NET 4+	Cloud Computing	Data Management	Silverlight / WPF	Windows Phone 8/WinRT	Windows Phone 7	Cross Platform Mobile
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Visual Studio Live! Pre-Conference Workshops: Monday, March 26, 2012 *(Separate entry fee required)*

MWKS1 Workshop: Full Application Lifecycle with TFS and CSLA .NET <i>Rockford Lhotka & Brian Randell</i>	MWKS2 Workshop: Creating Today's User Experiences - An Entry Point for Developers <i>Billy Hollis</i>	MWKS3 Workshop: SQL Server for Developers <i>Andrew Brust & Leonard Lobel</i>
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Visual Studio Live! Day 1: Tuesday, March 27, 2012

Keynote *Brian Harry, Microsoft Product Unit Manager for Team Foundation Server*

T1 Introduction to the Windows Runtime <i>Rockford Lhotka</i>	T2 HTML5 and Internet Explorer: A Developer Overview <i>Ben Hoelting</i>	T3 Introducing SQL Server Data Tools (Codenamed "Juneau") <i>Leonard Lobel</i>	T4 Application Lifecycle Management and Visual Studio: What's Next <i>Brian Randell</i>
T5 Windows 8 Metro-style Application Contracts and Extensibility <i>Brian Peek</i>	T6 Advanced ASP.NET MVC, HTML5 and the .NET Stack <i>Ben Hoelting</i>	T7 So Many Choices, So Little Time: Understanding Your .NET 4.0 Data Access Options <i>Leonard Lobel</i>	T8 Microsoft - To Be Announced

Lunch

CTT1 Chalk Talk: Improve Your Code with Anonymous Types and Lamda Expressions <i>Deborah Kurata</i>	CTT2 Chalk Talk: Slice Development Time with ASP.NET MVC and Razor <i>Philip Japikse</i>	CTT3 Chalk Talk: Visual Studio for Mobile Apps on iOS, Android and WP7 <i>Miguel de Icaza</i>	
T9 Building Data Driven Applications Using WinRT and XAML <i>Sergey Barskiy</i>	T10 HTML5/jQuery On-Ramp <i>Rich Dudley</i>	T11 Microsoft - To Be Announced	T12 Microsoft - To Be Announced
T13 A Look at Windows 8 Metro Apps and WinRT Internals <i>Vishwas Lele</i>	T14 Building Windows 8 Applications with HTML5 and jQuery <i>Rich Dudley</i>	T15 Entity Framework Code First - Beyond the Basics <i>Sergey Barskiy</i>	T16 What's New in the .NET 4.5 BCL <i>Jason Bock</i>

Welcome Reception

For the complete session schedule and full session descriptions, please check the Visual Studio Live! Las Vegas web site at vslive.com/lasvegas
*Speakers and Sessions Subject to Change.

Agenda At-A-Glance (Wednesday)

HTML5	Web	Visual Studio 2010+/.NET 4+	Cloud Computing	Data Management	Silverlight / WPF	Windows Phone 8/WinRT	Windows Phone 7	Cross Platform Mobile
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Visual Studio Live! Day 2: Wednesday, March 28, 2012

Keynote: The Future of User Experience: The Natural User Interface (NUI)

Tim Huckaby, Microsoft RD & MVP, Chairman/Founder, InterKnowledge, CEO/Chairman, Actus Interactive Software

W1 Windows Presentation Foundation for Developers <i>Philip Japikse</i>	W2 Creating a Data Driven Web Site Using WebMatrix and ASP.NET Razor <i>Rachel Appel</i>	W3 Windows Azure Platform Overview <i>Vishwas Lele</i>	W4 XNA Games for Windows Phone <i>Brian Peek</i>
W5 MVVM in Practice aka "Code Behind"- Free WPF <i>Tiberiu Covaci</i>	W6 MVC for WebForms Developers: Comparing and Contrasting <i>Miguel Castro</i>	W7 Building Your First Azure Application <i>Michael Stiefel</i>	W8 Building Mobile Apps with CSLA .NET <i>Rockford Lhotka</i>

Birds-of-a-Feather Lunch

CTW1 Chalk Talk: How Orchard CMS Works <i>Rachel Appel</i>		CTW2 Chalk Talk: Parallel Programming 101 <i>Tiberiu Covaci</i>	CTW3 Chalk Talk: Particle Swarm Optimization <i>Dr. James McCaffrey</i>
W9 Silverlight, WCF RIA Services and Your Business Objects <i>Deborah Kurata</i>	W10 Getting Started with ASP.NET MVC3 with a Dash of 4 <i>Philip Japikse</i>	W11 Deciding Between Relational Databases and Tables in the Cloud <i>Michael Stiefel</i>	W12 Making Money on Your WP7 Apps & Games with the Advertising SDK <i>Chris G. Williams</i>
W13 Top 7 Lessons Learned On My First Big Silverlight Project <i>Ben Day</i>	W14 Fast, Faster ... Async ASP.NET <i>Tiberiu Covaci</i>	W15 Architecture Best Practices on Windows Azure <i>Nuno Godinho</i>	W16 Mobile + Cloud: Using the Windows Azure Toolkit for Mobile Devices <i>Eric D. Boyd</i>

Wild Wednesday with Developer Duel

For the complete session schedule and full session descriptions, please check the Visual Studio Live! Las Vegas web site at vslive.com/lasvegas

*Speakers and Sessions Subject to Change.

Agenda At-A-Glance (Thursday & Friday)

HTML5	Web	Visual Studio 2010+/.NET 4+	Cloud Computing	Data Management	Silverlight / WPF	Windows Phone 8/WinRT	Windows Phone 7	Cross Platform Mobile
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Visual Studio Live! Day 3: Thursday, March 29, 2012

TH1 WPF Validation - Techniques & Styles <i>Miguel Castro</i>	TH2 Entity Framework 4.1 for Real Web Applications <i>Adam Tuliper</i>	TH3 Tips & Tricks on Architecting Windows Azure for Costs <i>Nuno Godinho</i>	TH4 Consuming Async Web Services In Your Windows Phone Apps & Games <i>Chris G. Williams</i>
TH5 Infinite Whitespace: Implementing Viewport Navigation in XAML <i>Billy Hollis</i>	TH6 Hack Proofing Your ASP.NET Web Forms and MVC Applications <i>Adam Tuliper</i>	TH7 Moving Web Apps to the Cloud <i>Eric D. Boyd</i>	TH8 Reach The Mobile Masses With ASP.NET MVC 4 and jQuery Mobile <i>Keith Burnell</i>
TH9 Writing Asynchronous Code Using .NET 4.5 and C# 5.0 <i>Brian Peek</i>	TH10 Introduction to jQuery QUnit <i>John Petersen</i>	TH11 SQL Azure Intro and What's New <i>Eric D. Boyd</i>	TH12 LightSwitch Onramp <i>Rich Dudley</i>
Lunch			
TH13 Static Analysis in .NET <i>Jason Bock</i>	TH14 Busy Developer's Guide to NodeJS <i>Ted Neward</i>	TH15 Power View: Analysis and Visualization for Your Application's Data <i>Andrew Brust</i>	TH16 Incorporating LightSwitch Into Your Existing ASP.NET Applications <i>Michael Washington</i>
TH17 How to Be a C# Ninja in 10 Easy Steps <i>Ben Day</i>	TH18 Extending ASP.NET MVC with jQuery/Ajax and JSON <i>John Petersen</i>	TH19 Microsoft's Big Play for Big Data <i>Andrew Brust</i>	TH20 Creating LightSwitch Control Extensions <i>Michael Washington</i>

Visual Studio Live! Post-Conference Workshops: Friday, March 30, 2012 (Separate entry fee required)

FWKS1 Workshop: Programming with WCF in One Day *Miguel Castro*

FWKS2 Workshop: Architecture Katas *Ted Neward*

For the complete session schedule and full session descriptions, please check the Visual Studio Live! Las Vegas web site at vslive.com/lasvegas
*Speakers and Sessions Subject to Change.

Track Descriptions

■ Cloud Computing

session listings on page 15

A growing number of IT practitioners believe the future of application development is in the cloud. Cloud computing offers flexible scalability and can provide a less expensive way to host many applications. Microsoft launched the Azure cloud computing platform in 2009 and continues to introduce major enhancements to it today. Even if you aren't ready for Azure today, you owe it to yourself to become familiar with cloud computing.

This track includes coverage of the following:

- Windows Azure
- Azure architecture tips and tricks
- Costing Azure Applications
- Migrating Web apps to the cloud

■ Cross Platform Mobile

session listings on page 16

Mobile clients are becoming the most common way users interact with each other, their organizations, and their business applications. Mobile apps might be native client apps or mobile web sites, and they often make use of cloud-based data and services.

This track includes:

- Building Android and iOS apps
- Mobile web site development with ASP.NET and JQuery Mobile
- Accessing cloud data and services from mobile apps

■ Data Management

session listings on page 17

With recent enhancements to SQL Azure and the impending release of SQL Server 2012, there's a lot of ground to cover in the data management sphere. On the API side, new options like Entity Framework Code First and the continuing inventory of older data access technologies require review and strategic evaluation. The Data Management track at Visual Studio Live! Las Vegas focuses on all of these technologies so you can integrate them into your environment sensibly and pragmatically.

This track includes coverage of the following:

- SQL Server 2012
- SQL Azure
- Entity Framework Code First
- Evaluating Data Access Options

■ HTML5

session listings on page 18

HTML5 is an industry-wide phenomenon. Its influence extends not just to the Web but to every major mobile platform, and even to Windows 8. Along with JavaScript and jQuery, HTML5 skills are becoming indispensable to developing in almost any vendor environment and on every device form factor. The Visual Studio Live! Las Vegas HTML5 track helps you get up to speed on this important technology area with sessions focusing on:

- General purpose HTML5 and JavaScript
- HTML5 and ASP.NET MVC
- HTML5 and IE9 for developers
- Building Windows 8 apps with HTML5 and jQuery

■ Silverlight / WPF

session listings on page 19

Today's premier XAML based technologies are Silverlight and WPF. With the recent release of Silverlight 5, Silverlight gains substantially more capabilities for building smart client Windows applications, narrowing the gap between Silverlight and WPF. This track is all about XAML in both WPF and Silverlight, and offers you the opportunity to build your skills and knowledge around this key smart client technology.

This track covers:

- Silverlight and WPF
- User experience and UI design
- RIA Services
- Model-View-ViewModel (MVVM) design pattern



■ Visual Studio 2010+/.NET 4+

session listings on page 20

Everything rests on .NET, and .NET 4 has exciting new capabilities that apply to any type of .NET application, with .NET 4.5 adding compelling new features. Developers use tools such as Visual Studio and LightSwitch. Visual Studio 2010 and "VS11" provide powerful features around debugging, architecture and application lifecycle management (ALM). LightSwitch offers high levels of productivity for building business applications. We'll give you the information you need to understand and leverage the power of .NET, Visual Studio, and LightSwitch today and into the future.

■ Web

session listings on page 22

Web development technologies continue to evolve and improve, offering rich and powerful capabilities for software developers. Today Microsoft provides ASP.NET Web Forms and MVC, with traditional aspx and Razor page markup languages. These are supported by Visual Studio, WebMatrix, and Expression Web. In the near future .NET 4.5 will provide substantial improvements to Web Forms, as well as other web technologies.

This track covers:

- ASP.NET Web Forms
- ASP.NET MVC
- Web data access
- JavaScript, JQuery, and AJAX

■ Windows 8/WinRT

session listings on page 24

Windows 8 and the Windows Runtime (WinRT) are coming. Are you ready for them? The new version of Microsoft's flagship product brings the Metro user interface and Live Tiles to tablet/slate devices, laptops and even desktop PCs. Apps for Windows 8 can be written with HTML and JavaScript, or XAML and C#/VB .NET, among other options. At Visual Studio Live! Las Vegas, we'll prepare you to build Windows 8 Metro-style apps, and understand the finer points of WinRT that will make them great.

This track includes coverage of the following:

- WinRT introduction and WinRT internals
- Data-driven apps with WinRT and XAML
- Windows 8 Metro contracts and extensibility

■ Windows Phone 7

session listings on page 25

Windows Phone (WP7) version 7.5 now has more than 40,000 apps in its marketplace, and is gaining market share in the US and worldwide. Nokia's adoption of Windows Phone as its primary smartphone standard adds even more momentum to this increasingly popular smartphone platform.

This track includes:

- App and game development for WP7
- Monetizing apps through advertising



“The quality of speakers was excellent – they were knowledgeable and interesting. I also really liked the location – Vegas!”

Kiran P. Mody, ASP.NET programmer, Avail Technologies, Inc.

Visual Studio Live! Full-Day Workshops

Begin and end your week at Visual Studio Live! with these in-depth, full-day workshops.

■ MWKS1 Workshop: Full Application Lifecycle with TFS and CSLA .NET – Intermediate

Rockford Lhotka & Brian Randell

Monday, March 26

9:00 a.m. – 6:00 p.m.

Do you want to build business code that is reusable across .NET, Silverlight, Windows Phone, and other platforms such as the new Windows Runtime (WinRT) in Windows 8? And do you want to manage your application lifecycle process using the powerful tools built into Visual Studio and supported by Team Foundation Server (TFS)? If so, then this workshop is for you!

Creating maintainable and reusable business code is at the heart of the open source CSLA .NET development framework. In this workshop you'll see an end-to-end example of building applications for .NET, Silverlight, Windows Phone, and WinRT—where all those applications reuse the same business and data access code.

At the same time, you will learn how to efficiently manage the application development lifecycle as part of this end-to-end process. You'll see how you manage your application development process, step by step, demonstrating how to fully leverage TFS and the ALM features of Visual Studio including version control, work items (bugs, tasks, and requirements) and builds. So come spend the day with Rocky and Brian and see what great things you can build.

■ MWKS2 Workshop: Creating Today's User Experiences – An Entry Point for Developers

Billy Hollis

Monday, March 26

9:00 a.m. – 6:00 p.m.

In today's software world, raw functionality is just the beginning. Touch devices are a part of almost every user's daily life, and users now expect more than gray forms and data grids in the software they use. Most developers have only haziest idea of how to approach building advanced user interfaces in XAML or HTML5 to address those expectations. It's time to move beyond the limitations of the past by learning fundamental design principles, UI navigation patterns, prototyping, storyboarding, and many other skills.

This workshop explains design concepts in ways specifically tailored for developers to understand, by getting beyond mere guidelines into the user psychology and brain wiring that make the concepts work. Interactive exercises reinforce the concepts, and you'll find yourself challenged to look at user experiences in completely new ways. Leave your laptops in the bag, bring paper and pencil, and have a day of fun, hands-on learning.

■ MWKS3 Workshop: SQL Server for Developers – Intermediate

Andrew Brust & Leonard Lobel

Monday, March 26

9:00 a.m. – 6:00 p.m.

This full-day workshop will get you up to speed on powerful new features in SQL Server 2008, SQL Server 2008 R2, and (the upcoming) SQL Server 2012. Leni and Andrew will pull no punches as they rip through the most important SQL Server features for developers in this intensive demo-packed tour.

We'll start with the many enhancements made to T-SQL. Learn how to use table-valued parameters to marshal

entire sets of rows across the network from client to server, and to pass them between your stored procedures and UDFs. Find out about MERGE, a powerful DML statement that combines the capabilities of four (or more) separate operations, and INSERT OVER DML, which enhances your ability to capture change data from the OUTPUT clause of any DML statement. Work with the latest date and time data types, which include support for time zone awareness. Then preview the T-SQL enhancements coming in SQL Server 2012, such as windowing (OVER clause) enhancements, 22 new functions, the THROW statement, server-side paging, the SEQUENCE object, and new metadata discovery techniques.

We'll then look at the business intelligence capabilities in SQL Server and related technologies, including Analysis Services Tabular mode; PowerPivot, Excel's BI capabilities and Excel Services; Reporting Services and its self-service Report Parts feature; Power View (formerly project "Crescent"); PerformancePoint Services; and a quick look at Master Data Services, Data Quality Services and StreamInsight. We'll look at each of these products separately and see how to use them together. We'll also cover the basics of SQL Server Analysis Services' conventional MOLAP mode to set the context properly.

Then we'll examine the "beyond relational" features in SQL Server 2008, and the latest additions coming in SQL Server 2012. These features will get you thinking outside the box with respect to the types of data that can be managed by a relational database system. Learn how to use the new hierarchyid data type to cast a hierarchical structure over any relational table. Dig into FILESTREAM (and SQL Server 2012 FileTable) and learn how you can finally enjoy the native ability to store large binary objects in the file system transparently, and with full transactional capabilities. The geospatial data types enable you to integrate location-intelligence into the database, and we'll finish up by building several location-aware applications on top of these new data types.

Visual Studio Live! Full-Day Workshops, continued

You'll learn a ton of new SQL Server features in this information-packed day!

You will learn:

- T-SQL enhancements added to SQL Server 2008 and SQL Server 2012
- The latest BI features in SQL Server 2008 R2 and SQL Server 2012, including PowerPivot and enhancements to Reporting Services
- Unstructured data storage, including native file streaming, and the hierarchical and geospatial data types
- Preview new capabilities planned for the next version SQL Server (SQL Server 2012)

■ FWKS1 Workshop: Programming with WCF in One Day – Introductory Miguel Castro

Friday, March 30

8:00 a.m. – 5:00 p.m.

WCF seems to have been quite an intimidating topic for many developers. It's a technology that provides a unified programming mode for what used to be four different technologies. In truth, it's simpler to use than you may think. Still, many developers are bent on continuing to develop new projects using ASMX web services and even .NET Remoting, the two primary technologies that WCF fully replaces. Even though at its simplest, it doesn't take much to get a service up and running, and is indeed a topic I've taught in standard 75 minutes sessions, WCF offers many other characteristics that make developing services in it very appealing. But it is these very additions to the basics of WCF that intimidate developers. In this one-day workshop, I'll take you through the design and development of WCF services from the ground up using a best-practice approach from the beginning. We'll cover service contracts, data contracts, services, proxies, hosting, and consuming. Then we'll dive into many of the additional features provided by WCF including but not limited to transactions, fault handling, and instancing.

And time-permitting we may get into the basics of WCF security. You'll walk out fully armed and ready to start writing WCF services without intimidation.

You will learn:

- Knowledge of all the WCF fundamentals and some of advanced features
- If you had the basics down, this will take you to the next level
- Lots of tips and tricks for design, hosting, and WCF consuming

■ FWKS2 Workshop: Architecture Katas – Introductory / Intermediate Ted Neward

Friday, March 30

8:00 a.m. – 5:00 p.m.

Fred Brooks said, "How do we get great designers? Great designers design, of course." So how do we get great architects? Great architects architect. But architecting a software system is a rare opportunity for the non-architect.

The kata is an ancient tradition, born of the martial arts, designed to give the student the opportunity to practice more than basics in a semi-realistic way. The coding kata, created by Dave Thomas, is an opportunity for the developer to try a language or tool to solve a problem slightly more complex than "Hello world". The architectural kata, like the coding kata, is an opportunity for the student-architect to practice architecting a software system. In this workshop, we'll do exactly that - architect. We'll first go over what architecture means and what the architect does, but then the focus will be on doing it. Participants will be given problems to solve, create architecture to solve it, and then defend their architecture against challenges and monkey-wrenches thrown at them from all corners.

In short, you'll be an architect without your job being on the line.

You will learn:

- Finally answer the question, "What is architecture?"
- Architecting in real-time
- Recognize when the architecture doesn't work, and how to refactor when necessary

"I liked the pace of the conference – jumping between tracks worked because although a session might follow logically after another, it was useful also without its predecessor."

Scott Lindsay, Systems Analyst, SVMIC



Session Descriptions by Track

CLOUD COMPUTING

■ W3 Windows Azure Platform Overview – Introductory

Vishwas Lele

Wednesday, March 28

9:15 – 10:30 a.m.

"My company/ customer will never move to a public cloud because of security, compliance, latency and availability concerns." If you are asking yourself this question, this Windows Azure overview session is for you. Well..this session is for anyone who wants to understand why Gartner claims that PaaS platforms may be a step to a "killer app" for cloud computing.

After covering the key concepts, we will build an MVC 3 application from scratch and deploy it to Windows Azure. We will wrap up with a discussion of scenarios that can benefit from the capabilities of the Windows Azure Platform.

■ W7 Building Your First Azure Application – Intermediate

Michael Stiefel

Wednesday, March 28

10:45 a.m. – 12:00 p.m.

Cloud Computing is the next great technology in software development. The basic mechanics and technologies of a Microsoft Azure application will be illustrated by means of a working cloud application. These mechanics include:

- how to use Visual Studio 2010 to create and test an application
- how to make simple uses of roles, queues and tables
- how to configure your application
- how to install and deploy it
- how to monitor your application in the cloud
- how to estimate the cost of running in the cloud

- how to scale your app
- how to manage the life cycle of a cloud app
- The basic technologies include:
 - Blobs
 - Tables
 - Queues
 - Worker and Web roles
 - SQL Azure
 - Diagnostics API
 - Management API
 - Using the Azure Development Portal

You will learn:

- Understand and know how to use the key technologies and techniques associated with Microsoft Azure
- Understand the basic tradeoffs of building scalable cloud applications with Azure
- Understand how building a cloud application is different from building a desktop or hosted application

■ W11 Deciding Between Relational Databases and Tables in the Cloud – Intermediate

Michael Stiefel

Wednesday, March 28

2:30 – 3:45 p.m.

When you put data in a computing cloud, the requirements of consistency, availability and partitioning can conflict. This means when building highly available and scalable applications, you may have to give up classic ACID database transactions and relational database features such as foreign keys, joins, and stored procedures. How do you then handle data versioning, and latency? The Microsoft cloud platform gives you two data technologies: Tables and Blobs, and SQL Azure. When do you use one or the other? This talk will talk about how to architect, design, and implement data storage in this new world.

You will learn:

- An understanding of how to use the two different persistence mechanisms in Azure: SQL Azure and Azure tables.
- How to use Azure tables, and relational databases when appropriate. If architects and developers do not understand how to use the appropriate means for data storage, their applications will not perform appropriately and will be unusable.
- Know how and when to use transactions and how to partition data in cloud computing.

■ W15 Architecture Best Practices on Windows Azure – Intermediate

Nuno Godinho

Wednesday, March 28

4:00 – 5:15 p.m.

When new technologies and paradigms appear, one of the most important things that need to be done is to get to know them quickly and proficiently. But this is often hard to do since there's a learning curve involved and some things we only learn with experience, and that's why best practices are so important. In this session we'll look at some Architecture Best Practices that will help us make our solutions better in several levels like performance, cost, integration, and security. Attendees will leave this session with the knowledge needed to start using Windows Azure quickly and the best practices that can help your business.

You will learn:

- Architecture Best Practices
- Windows Azure Best Practices
- Cloud Paradigm

TH3 Tips & Tricks on Architecting Windows Azure for Costs – Introductory

Nuno Godinho

Thursday, March 29

8:00 – 9:15 a.m.

Currently one of the most important things that need to be thought of in terms of the Cloud is the cost, because it can make a huge difference in the way the code was done, and also the performance of it. In this session we'll talk about several tips & tricks that will enable attendees to better understand the way that the architecture, data choices and even the code can affect the cost of the application. We will also show several ways to make the application costs lower and the performance higher.

You will learn:

- How Costs work in Windows Azure
- How can we affect Architect our applications for costs
- Sample of cost savings with architecture tweaks

TH7 Moving Web Apps to the Cloud

Eric D. Boyd

Thursday, March 29

9:30 – 10:45 a.m.

As a developer with years of experience developing web apps using ASP.NET, SQL Server, Windows Server and Active Directory, how do you move to the cloud with Windows Azure? How can you apply your existing skills and experience to developing cloud apps in Windows Azure? In this session, we will take a simple, traditional ASP.NET app and walk through the migration to Windows Azure. We'll discuss the important considerations, practices, architectural differences, challenges, advantages and economic benefits to consider when migrating to Windows Azure.

You will learn:

- Overview of common business challenges and scenarios that drive Cloud migration
- How to move traditional on-premise web apps to Windows Azure
- Architectural considerations for maximizing the value of the Cloud

CROSS PLATFORM MOBILE

CTT3 Chalk Talk: Visual Studio for Mobile Apps on iOS Android and WP7

Miguel de Icaza

Tuesday, March 27

1:15 - 2:15pm

Don't abandon Visual Studio when you build apps for iOS, or Android devices! In this introduction to using Visual Studio to build cross-platform mobile apps for iOS, Android and Windows phones, tablets and embedded devices, I will discuss:

- Using Visual Studio and C# / .NET for iOS and Android
 - Re-using code across Windows, iOS and Android
 - Building native user-experiences
- Examples and code samples will be shared.

W8 Building Mobile Apps with CSLA .NET

Rockford Lhotka

Wednesday, March 28

10:45 a.m. – 12:00 p.m.

The open source CSLA .NET framework enables you to build business code that is reusable across today's most popular mobile platforms. This includes iPhone/iPad (using MonoTouch), Android (using Mono for Android), and Windows Phone (using Silverlight). In this session you will learn how to create business classes that compile and run on all three mobile platforms, as well as on .NET. The result is the ability to reuse large portions of your code when building mobile apps.

W16 Mobile + Cloud: Using the Windows Azure Toolkit for Mobile Devices

Eric D. Boyd

Wednesday, March 28

4:00 – 5:15 p.m.

Most consumers expect cloud services without ever thinking about "The Cloud." As consumers, we use services like Gmail, Dropbox, twitter and even Xbox Live and we expect our information to be available from any location

and on all of our devices. When creating quality, mobile apps, we should provide a similar experience because our customers expect it. The Cloud enables startups and mobile developers to provide the same user experience as large enterprises and Fortune 500 companies. It levels the playing field and eliminates the upfront investment previously required for servers and data centers.

In this session we will look at the common scenarios for incorporating Cloud services into your mobile apps. We will walk through Platform as a Service (PaaS) and Windows Azure and get equipped with the necessary tools to build cloud services for our mobile apps using Windows Azure. Next, we will explore how to create Windows Phone apps with Windows Azure services and check out some tools to help with Windows Phone development.

You will learn:

- Benefits of combining Mobile apps with the Cloud
- Scenarios and Patterns for Mobile + Cloud
- How to get started using the Windows Azure Toolkit for Mobile Devices



TH8 Reach the Mobile Masses with ASP.NET MVC 4 and jQuery Mobile – Introductory / Intermediate

Keith Burnell

Thursday, March 29

9:30 – 10:45 a.m.

Creating web applications that will target multiple devices and platforms has become the web developers Holy Grail. Simple HTML pages render without issue no matter what browser or device they are viewed on but who codes simple HTML pages? What happens when you have a business need to hit all mobile platforms?

You don't have to write hundreds of lines of code to make this happen! In this talk Keith will show how using the latest version of ASP.NET MVC, MVC4, and JQuery you can develop web applications that target iPhone, iPad, Android, Windows Phone 7, and even Blackberry and not have to code and style each platform separately.

You will learn:

- How to make your site "viewable" on most user platforms with minimal effort.
- How to make your site as usable on all mobile platforms as it is on the desktop browser.
- How to do all of this without writing code to target each mobile platform independently.

DATA MANAGEMENT

T3 Introducing SQL Server Data Tools (Codename "Juneau") – Intermediate

Leonard Lobel

Tuesday, March 27

9:15 – 10:30 a.m.

Application developers, get ready for a brand new database development environment! With the upcoming release of SQL Server 2012, the new SQL Server Developer Tools (SSDT, codename "Juneau") will serve as your primary development environment for building Windows and Web applications on top of SQL Server. While SQL Server Management Studio (SSMS) continues to serve as the primary tool for database administrators, SSDT plugs in to Visual Studio as a new database project type designed specifically for the .NET application developer.

With SSDT, developers can finally enjoy building database applications without constantly switching between Visual Studio and SSMS. In this session, Lenni will demonstrate how SSDT can be used to develop for (and deploy to) on-premise and SQL Azure databases. In addition to replicating most of the functionality found in SSMS, you will learn how to use features such as code navigation, IntelliSense, and refactoring with your database model-indispensable tools previously available only for application development in Visual Studio. We'll also cover the new declarative model that allows you to design databases offline and under source control right from within solution in Visual Studio. Don't miss out on this demo-centric information-packed session on the next generation of database tools for application developers!

You will learn:

- The declarative model-based approach used in the next generation of SQL Server Tools for developers
- Understand the various services that power the new tools (explorer, designers, schema compare, local database

runtime, language services, debugging, and buffered editing)

- See live demonstrations of how to design, test, and deploy on-premises databases, offline database projects, and SQL Azure databases in the cloud all from inside Visual Studio

T7 So Many Choices, So Little Time: Understanding Your .NET 4.0 Data Access Options – Intermediate

Leonard Lobel

Tuesday, March 27

10:45 a.m. – 12:00 p.m.

We all know that Microsoft loves to drop new data access APIs in our laps, but since .NET 3.5 SP1, and now with .NET 4.0, the variety of new capabilities and options available is unprecedented, even for Microsoft. The .NET 3.5 SP1 framework gave us Entity Framework (EF), Language-Integrated Query (LINQ), LINQ to SQL (and a variety of other LINQ providers) and ADO.NET Data Services. Now .NET 4.0 sports a revamped EF 4.0 with N-tier support and adds on WCF RIA Services.

How do you sort out this chaos? Is conventional ADO.NET dead? Is it possible to bridge the DataSet with Silverlight? How do you build an n-tier Silverlight app using domain services and EF 4.0? Lenni will answer these questions (and more) to help demystify the Microsoft data access juggernaut. We'll compare the real advantages and disadvantages across this set of technologies so that you can choose the best architecture for your application. Attend this session and develop a clear perspective of .NET data access in today's world.

You will learn:

- Understand the evolution of .NET data access
- Clarify the role of conventional ADO.NET and DataSets
- Learn about the Entity Framework
- Leverage WCF Data Services and WCF RIA Services



■ T15 Entity Framework Code First – Beyond the Basics

Sergey Barskiy

Tuesday, March 27

4:00 – 5:15 p.m.

This session will cover scenarios beyond the basics. Topics such as creation of object hierarchies and complex types will be discussed. Performance tips will be covered as well as usage scenarios in services. Implications of large databases and difference RDBMS will be part of the conversation.

You will learn:

- Understand performance analysis tips for Entity framework
- Database scheme evolution handling techniques
- Organization of database and conceptual model via complex types and hierarchies

■ TH11 SQL Azure Intro and What's New – Introductory / Intermediate

Eric D. Boyd

Thursday, March 29

11:00 a.m. – 12:15 p.m.

Windows Azure provides many options for storing data. SQL Azure is Windows Azure's solution for working with relational data. If you are familiar with SQL Server, SQL Azure will be a natural extension of your knowledge and skills.

In this session, you will get introduced to SQL Azure and learn how to get started. We will explore how to migrate an existing on-premise SQL Server database to SQL Azure. We will then walkthrough how to manage and administer your SQL Azure servers and databases. We will take a look at how to connect and build applications using SQL Azure. Next, we will look at more advanced scenarios using new capabilities like reporting with SQL Azure Reporting, scaling and sharding databases with SQL Azure

Federations and synchronizing data with SQL Azure Data Sync for hybrid scenarios and global reach. Finally, we will explore some of the things you should consider when using SQL Azure.

What you will learn:

- Overview of SQL Azure
- How to Get Started with SQL Azure
- Tools and Techniques when using SQL Azure
- What's New in SQL Azure

■ TH15 Power View: Analysis and Visualization for Your Application's Data – Intermediate

Andrew Brust

Thursday, March 29

1:30 – 2:45 p.m.

If you're a developer on the Microsoft stack, visual data analysis may seem like a specialized capability that you don't have the time or skills for. But now you can enable visualized analysis of your application's data, in an actionable way, with Microsoft Power View (formerly project "Crescent"), which will ship as part of SQL Server 2012.

Implemented in Silverlight, based on Reporting Services technology, and running inside SharePoint, Power View offers unprecedentedly impactful data visualizations, contextual filtering with visual transitions and animated "play axis" bubble charts. It also collapses authoring and viewing into a single, fluid interaction that actually makes data analysis fun.

This session will cover Power View in soup-to-nuts fashion. We'll look at visualizations, filtering, visual "multipliers" and embedding important metadata in your data models. We'll also cover how to take your databases and make them Power View-ready, using Microsoft's PowerPivot and SQL Server Analysis Services. Feel behind on BI and Analytics? Then come to this one session and leave feeling caught up.

■ TH19 Microsoft's Big Play for Big Data – Intermediate

Andrew Brust

Thursday, March 29

3:00 – 4:15 p.m.

Big Data entails collecting and analyzing large volumes of data obtained from Web, social media, scientific and other pools of fast-growing event-driven data. Relational databases are rarely employed in big data scenarios, so using SQL Server for big data can be tricky. In response, Microsoft has announced its planned implementation of Windows Server and Windows Azure implementations of Hadoop, the open source NoSQL engine widely used in Big Data implementations. And the plot thickens as Microsoft has also announced its plan to fit SQL Server business intelligence (BI) tools on top of Hadoop, to make the analysis part of Big Data work with familiar and accessible Microsoft technologies. Come to this session to get an overview of Big Data, Hadoop and the Microsoft BI stack integration. See how your skills can be applied to this rapidly growing part of the industry.



HTML5

■ T2 HTML5 and Internet Explorer: A Developer Overview – Introductory / Intermediate

Ben Hoelting

Tuesday, March 27

9:15 – 10:30 a.m.

New versions of Internet Explorer have been released into the wild. IE supports the latest WC3 standards for HTML5. It also has many additional features that developers can take advantage of. This session will start by defining HTML5/IE and why it is a game changer in the web world. Next we will discuss what HTML5/IE brings to the developers toolbox and how it works with Visual Studio. Finally, we will discuss the timeline for broad adoption of these technologies, what features you can take advantage of today and how you can prepare for the future.

You will learn:

- The power of IE and HTML5
- IE/HTML5 developer features and why they are important
- How Visual Studio 2010 can build HTML5 enabled websites
- What IE/HTML5 features are ready today and what the future may bring

■ T6 Advanced ASP.NET MVC, HTML5 and the .NET Stack – Advanced

Ben Hoelting

Tuesday, March 27

10:45 a.m. – 12:00 p.m.

ASP.NET Web forms provide many layers of abstraction that are not truly native to web development and can result in blurring the lines between tiers. ASP.NET MVC leads you down a path that clears up those lines and helps produce code that is more testable and maintainable. However, it does not take you all the way there. This

session will show you how to get there. We will start from with a simple ASP.NET MVC project and turn it into a full blown N tier web application, complete with Separation of Concerns and following the SOLID principles of software development. We will use HTML5, JavaScript, native MVC extensions, and CSS3 were they make sense and add value. Experienced ASP.NET MVC developers will benefit from the advanced nuggets that can make your applications even better than they already are.

You will learn:

- ASP.NET MVC and why it is awesome
- The concept of services and how to break the simple APS.NET MVC app into an N tier architecture using EF and WCF
- Introduction and use of HTML5, JavaScript, free native MVC extensions, and CSS3
- Discuss how ASP.NET MVC and HTML5 concepts relate to Silverlight and compare pros and cons of each approach to web application development

■ T10 HTML5/jQuery On-Ramp

Rich Dudley

Tuesday, March 27

2:30 – 3:45 p.m.

If 50,000,000 Elvis fans can't be wrong, then 25,000,000 websites (and every single browser) are pretty close to a sure thing. Since its release in 2006, jQuery has gained a tremendous following--so much so that in 2008, Microsoft made the decision to replace its then 20-month old ASP.NET Ajax framework with jQuery for all future client side programming libraries. Despite not having an official standard, HTML 5 is becoming the standard for cross-browser, cross-platform web applications. In this session, we'll look at the fundamentals of both jQuery and HTML 5, explore some of the main features of each, and see how to start new or enhance existing applications. Whether you develop in WebForms, MVC or PHP, there's something in this session to be learned.

■ T14 Building Windows 8 Applications with HTML5 and jQuery

Rich Dudley

Tuesday, March 27

4:00 – 5:15 p.m.

One of the many new advances in Windows 8 is the ability to create Windows applications using HTML, CSS and JavaScript. In this session, we'll take a look at the Windows 8 technology stack on which these applications run, how HTML/CSS/JS apps actually run, and discuss the implications of the different ways to utilize third party libraries such as jQuery. We'll then migrate an MVC application which utilizes jQuery into a Metro-style application. By the end of this session, you'll have a solid idea of what it means to have a Metro-style application built with web technologies.

SILVERLIGHT / WPF

■ W1 Windows Presentation Foundation for Developers – Introductory / Intermediate

Philip Japikse

Wednesday, March 28

9:15 – 10:30 a.m.

WPF has now been out for a bit, and we've all seen the spinning cube playing a different video on each side. How does that help you, the line of business developer? I dive into what's important to developers, including Layout, Commands, and a deep dive into Binding.

You will learn:

- The strengths of WPF and when to use it
- Different layouts in WPF
- How to maximize databinding in WPF

■ W5 MVVM in Practice aka “Code Behind” – Free WPF – Intermediate

Tiberiu Covaci

Wednesday, March 28

10:45 a.m. – 12:00 p.m.

One pattern that emerged with WPF is the Model-View-ViewModel. In this session we will explore the MVVM pattern the MVVM Light toolkit and I will show you how you can write a WPF application without ever needing to add a single line of code in the code behind, giving your designer full control over the User Interface.

You will learn:

- MVVM
- Design Patterns
- MVVM Light

■ W9 Silverlight, WCF RIA Services and Your Business Objects – Introductory / Intermediate

Deborah Kurata

Wednesday, March 28

2:30 – 3:45 p.m.

Many of the Silverlight demos show how to use Entity Framework with WCF RIA Services. But what if you already have an extensive investment in your own business objects? This talk focuses on communication between your Silverlight application and your own existing business objects using WCF RIA Services.

You will learn:

- What WCF RIA Services can do for you when you are building a Silverlight application
- How to communicate between your Silverlight client application and the server containing your business objects

■ W13 Top 7 Lessons Learned On My First Big Silverlight Project – Introductory / Intermediate

Ben Day

Wednesday, March 28

4:00 – 5:15 p.m.

Silverlight is tricky. You'd think it'd be just like writing any other .NET app but there are some things that can really hang you up.

In this session, Ben will show you 7 things that he learned leading his first big Silverlight application. From unit tests and the architectural havoc caused by async WCF to real-world ViewModel tips and “x:Name” code smells -- these lessons will help you avoid a lot of pain on your current and next Silverlight projects.

You will learn:

- Real world tips for architecting Silverlight apps
- Silverlight testability
- Pain points

■ TH1 WPF Validation – Techniques & Styles – Intermediate

Miguel Castro

Thursday, March 29

8:00 – 9:15 a.m.

Of all the things that WPF gives us, a validation framework is not one of them. There are a few different ways of capturing validation information and providing rules for validation and there are many ways of displaying broken validation rules. In this session, I'll show you what WPF offers in the area of validation, how to include validation in your View-Models when using MVVM, and a few different styles for elegantly reporting validation errors to the user.

You will learn:

- Various validation offerings
- MVVM-based validation
- Custom WPF styling

■ TH5 Infinite Whitespace: Implementing Viewport Navigation in XAML

Billy Hollis

Thursday, March 29

9:30 – 10:45 a.m.

Many common user scenarios lend themselves to a navigation pattern using a viewport. This technique allows the user to pan and zoom through complex information, with the visible screen as a viewport into a larger virtual screen. Hierarchies such as organizational charts, timelines, bubble diagrams, maps, and many other forms of rich information are good candidates for viewports. Viewports implement several good design principles, particularly allowing appropriate whitespace and many options for showing relationships between elements.

In this session, we'll cover the design aspects, and then do a complete XAML implementation of a viewport, including panning and zooming in both mouse and touch based environments. The session includes an introduction to transforms, which are one of the essential XAML features needed for viewports.

VISUAL STUDIO 2010+/.NET 4+

■ T4 Application Lifecycle Management and Visual Studio: What's Next – Intermediate / Advanced

Brian Randell

Tuesday, March 27

9:15 – 10:30 a.m.

It's 2012 and look what's coming? Microsoft has a whole new set of tools and technologies to help you and your teams build better software. Application Lifecycle Management provides a more holistic approach to looking at how you develop software. In this session, Brian will drill into the new features in Team Foundation Server as well as the new Azure-based Team Foundation Service. You'll see what's new for work management, including task boards, how to gather user requirements and ensure better products and a whole lot more.

■ CTT1 Chalk Talk: Improve Your Code with Anonymous Types and Lambda Expressions – Introductory / Intermediate

Deborah Kurata

Tuesday, March 27

1:15 – 2:15 p.m.

Easily bind your WinForms, WPF, or Silverlight UI to any set, subset or joined set of data using anonymous types and Lambda expressions. This session will show you how.

We'll start with an overview of anonymous types and how to use them in grouping and binding data. Then we'll look at Lambda expressions and how to use them to filter, sort, and search through your data. Along the way, we'll cover tips and tricks for improving your code with anonymous types and lambda expressions.

You will learn:

- Understand the benefits and limitations of anonymous types
- Learn syntax and best practices for working with Lambda expressions
- Improve your code by leveraging the power of anonymous types and Lambda expressions

■ T16 What's New in the .NET 4.5 BCL – Intermediate

Jason Bock

Tuesday, March 27

4:00 – 5:15 p.m.

With the upcoming release of the 4.5 version of the .NET Framework, there's a lot to take in. In this talk, we'll focus on the additions to the next version of the .NET Framework, such as asynchronous I/O, reflection, and exceptions. We'll also cover key breaking changes that may affect your current code base.

You will learn:

- Gain an understanding of the new APIs available to .NET developers

- See what's been changed in 4.5 that may affect current code
- Use this knowledge to move effectively into the next version of .NET

■ CTW2 Chalk Talk: Parallel Programming 101 – Intermediate

Tiberiu Covaci

Wednesday, March 28

1:15 – 2:15 p.m.

Do you have your boss on your back asking you for better performance in your application? Do you feel like the hardware manufacturer have abandoned you, and instead of faster processors they deliver several cores in one processor? Well this session is for you because you are not alone.

You will learn:

- Threads
- TPL
- PLinq

■ CTW3 Chalk Talk: Particle Swarm Optimization

Dr. James McCaffrey

Wednesday, March 28

1:15 - 2:15pm

In this short and informal presentation, Dr. James McCaffrey from Microsoft Research will explain particle swarm optimization (PSO), a fascinating technique modeled on group behavior such as schools of fish and flocks of birds. You'll see a quick demonstration written in C# and leave knowing exactly what PSO is, what types of problems PSO solves, and how PSO relates to other techniques such as genetic algorithms.



■ TH9 Writing Asynchronous Code Using .NET 4.5 and C# 5.0 – Introductory

Brian Peek

Thursday, March 29

11:00 a.m. – 12:15 p.m.

A variety of new features were added to the .NET 4.5 Framework, including support for easily writing asynchronous code. This session will introduce the concepts of asynchronous programming, .NET Tasks, how to ensure your UI remains responsive, and how to do all of this properly in your own applications using the new async and await keywords. If you're looking for ways to provide a better, smoother experience for your users, don't miss this session!

You will learn:

- Learn about the pros/cons of asynchronous code
- Learn how to write and use asynchronous code in .NET 4.5
- Learn how to maintain a constantly available and responsive user interface

■ TH12 LightSwitch Onramp – Introductory

Rich Dudley

Thursday, March 29

11:00 a.m. – 12:15 p.m.

Microsoft's LightSwitch presents a radical new way of designing applications in Visual Studio. Applications can be quickly built using screen templates and prewritten code to handle routine tasks. Custom business logic can be added in VB.NET or C#. LightSwitch applications can access a number of data sources, including SQL Server and SQL Azure, and can be hosted locally or on Azure. LightSwitch will enable IT staff to quickly turn around those small-but-necessary enterprise apps end users are so fond of, and it's easy enough for power-users with limited programming experience to build their own apps. By the end of this session, we'll understand what LightSwitch is, what we need to develop with LightSwitch, and how to get started developing a LightSwitch application.

■ TH13 Static Analysis in .NET – Intermediate

Jason Bock

Thursday, March 29

1:30 – 2:45 p.m.

We all want to have someone else review our code to make sure it's written well. Wouldn't it be even better if we can have that review process done automatically? In this session, you'll see how you can use static analysis tools (like Code Analysis/FxCop) to find all kinds of implementation issues before they show up in a release. You'll also find out how to manage rule sets in Visual Studio, and find out how you can create your own custom rules.

You will learn:

- Understand the benefits in using static analysis
- Be able to use the results of static analysis effectively to improve their code
- See how custom rules can be created to reflect their own best practices

■ TH16 Incorporating LightSwitch Into Your Existing ASP.NET Applications – Intermediate

Michael Washington

Thursday, March 29

1:30 – 2:45 p.m.

When you have existing applications that have their own membership and roles, you want LightSwitch to seamlessly integrate with them. In this session, you will learn the techniques to incorporate LightSwitch into your existing ASP.NET applications. Real world examples will be used to demonstrate methods covering subjects such as membership, roles, single sign on, and the use of frames.

You will learn:

- How to implement single-sign-on between your existing ASP.NET applications and LightSwitch
- How to consume users, roles, and permissions in your existing ASP.NET applications, in LightSwitch
- How to display a LightSwitch application inside your existing ASP.NET website

■ TH17 How to Be a C# Ninja in 10 Easy Steps – Intermediate

Ben Day

Thursday, March 29

3:00 – 4:15 p.m.

Are you new to C# and want to get awesome? Are you pretty good at C# and want to raise your game? Do you think you're already awesome and just want to make sure? Worried about getting into a C# technical interview and Ben's on the other side of the table lobbing tough C# questions at you just waiting for that moment where you start to sweat and then eventually crack under the pressure and then you die homeless and alone all because this one interview went bad? Then this is the talk for you.

In this session, Ben will go through 10+ important things to know about writing code in C# including what he asks for job interview questions and what he looks for during code reviews.

You will learn:

- How do you master C# and avoid making "shoot yourself in the foot" mistakes? For example, making your app hard to debug by using "throw ex" instead of "throw".
- Convenient features like "partial", "as", "is", "where" constraints on generics, etc.

■ TH20 Creating LightSwitch Control Extensions – Intermediate / Advanced

Michael Washington

Thursday, March 29

3:00 – 4:15 p.m.

Visual Studio LightSwitch allows developers to create advanced Silverlight applications quickly and easily using LightSwitch Control Extensions. A LightSwitch Control Extension is installed into LightSwitch, and designed to be re-used in multiple LightSwitch applications. They can be consumed by LightSwitch application developers who are not advanced programmers. You can create and use LightSwitch Control Extensions either to sell, or to be consumed by your company or organization.

You will learn:

- How to set-up your development environment and debug your LightSwitch Control Extensions
- How to package and distribute your LightSwitch Control Extension.
- How to create each of the 5 types of LightSwitch Control Extensions
- Value - Represents a content item for a specific scalar data type.
- Details - Represents a content item for an entity or complex type.
- Command - Represents a content item for initiating an action (Button or Hyperlink).
- Collection - Represents a collection content item (Grid or Tree Control).
- Group - Represents a group content item (TableLayout or RowsLayout).

WEB

■ CTT2 Chalk Talk: Slice Development Time with ASP.NET MVC and Razor – Intermediate

Philip Japikse

Tuesday, March 27

1:15 – 2:15 p.m.

ASP.NET MVC3 introduced the Razor View Engine and a host of productivity improvements. Philip will show you how to speed development with HTML Helpers and Razor Templates to cut repetitive tasks to shreds.

You will learn:

- Razor View Engine
- Templates and Helpers
- How these will speed your development

■ W2 Creating a Data Driven Web Site Using WebMatrix and ASP.NET Razor – Introductory

Rachel Appel

Wednesday, March 28

9:15 – 10:30 a.m.

The Razor syntax is a new feature of both ASP.NET Web Pages and ASP.NET MVC. In this session you will learn how to use Microsoft's new tool for web development, WebMatrix for building ASP.NET Web Pages with the Razor syntax. Also during this presentation, you'll discover how easily you can create fully-featured, database-driven web sites in little time using the built-in WebMatrix templates and tools and SQL CE 4.0.

■ W6 MVC for WebForms Developers: Comparing and Contrasting

Miguel Castro

Wednesday, March 28

10:45 a.m. – 12:00 p.m.

ASP.NET MVC has been received by a certain part of the development community with an almost zealotry aspect and by others with extreme speculation and even fear. As a web forms die-hard, it took Miguel a while to eventually get to MVC. But the truth is that he doesn't really like it. Does he think it is the end-all to web development... no. And he still has a lot of love for web forms, but the more he uses ASP.NET MVC the more he gets used to it. In this session, Miguel will introduce you to the pluses and minuses of both platforms.

You will learn:

- Intro to MVC
- Comparisons of its components to WebForm components
- Advantages and disadvantages of both

■ CTW1 Chalk Talk: How Orchard CMS Works – Introductory

Rachel Appel

Wednesday, March 28

1:15 – 2:15 p.m.

In this presentation, Rachel will begin with an overall introduction to the Orchard Open Source project on CodePlex, then move on to how the system works by discussing features such as Settings, Modules, Widgets, the Core and others. During the presentation you'll dive deeper into the architecture and mechanics of Orchard as well and finish by deploying the final product.

■ W10 Getting Started with ASP.NET MVC3 with a Dash of 4 – Introductory / Intermediate

Philip Japikse

Wednesday, March 28

2:30 – 3:45 p.m.

There's a lot of talk about ASP.NET MVC. What does it mean for you, the ASP.NET WebForms developer? Do you have to relearn the entire web development stack? Will it even run on IIS? Let Philip show you, the ASP.NET WebForms developer, what you need to know to start using ASP.NET MVC, as well as make an informed decision between ASP.NET MVC and ASP.NET WebForms for your next project.

At the time of this submission, MVC4 is a Developer Preview. How much MVC4 will make it into this talk will be based on its maturity just prior to Visual Studio Live! Las Vegas.

You will learn:

- All of the reasons why MVC is the new "hotness"
- How MVC differs from WebForms
- How to be a productive MVC developer

■ W14 Fast, Faster ... Async ASP.NET – Intermediate / Advanced

Tiberiu Covaci

Wednesday, March 28

4:00 – 5:15 p.m.

Do you have any page that needs to access the database, or a web service? Do any of those takes longer than five seconds? Do you know what happens to the rest of your application? All these questions get at least one answer during this session, together with some solutions to the problems that may arise.

You will learn:

- Load Testing ASP.NET Applications
- Asynchronous operations in ASP.NET WebForms
- Asynchronous operations in ASP.NET MVC
- Using the new async/await in Web Applications

■ TH2 Entity Framework 4.1 for Real Web Applications – Introductory / Intermediate

Adam Tuliper

Thursday, March 29

8:00 – 9:15 a.m.

There are many demos on the Internet for using the Entity Framework but few seem to address good architectural project structures to use the Entity Framework in a layered application. This talk will show a well structured Visual Studio solution to use the Entity Framework in a new ASP.Net Web Forms and MVC application. In addition this talk will go over Code-First and DB/Model First scenarios, POCO entities, the Repository Pattern, Object Contexts/DbContext, querying, and MVC vs. Web Forms implementation differences.

You will learn:

- Learn how to setup Entity Framework Projects without mixing everything in one project
- Learn how to utilize the new features of EF 4.1 immediately in your web applications
- Learn how the entity framework can be used in web applications

TH6 Hack Proofing Your ASP.NET Web Forms and MVC Applications – Introductory / Intermediate

Adam Tuliper

Thursday, March 29

9:30 – 10:45 a.m.

Developers are notoriously lax with including security in their applications. In an age of hacking, this talk aims to arm the developer with an arsenal of protections to use while developing. This presentation explores the most common attacks on web applications, how they work to exploit your app, and most importantly, how to protect against them. Techniques such as Cross Site Scripting, SQL Injection, Session Hijacking, and Cross Site Request Forgery will be covered. ASP.NET Web Forms and MVC will be covered, as both have pros and cons that will be explored. We will start with a 'broken' application and secure it throughout the presentation. Leave this presentation empowered to immediately start protecting your applications!

You will learn:

- Learn why most existing applications can be hacked in some way
- Learn the details of common hack attacks in ASP.NET Web Applications
- Learn the techniques for protecting their web forms and mvc applications against hack attacks

TH10 Introduction to jQuery QUnit – Introductory

John Petersen

Thursday, March 29

11:00 a.m. – 12:15 p.m.

QUnit is a powerful, east-to-use, JavaScript test suite. QUnit is used and maintained by the jQuery team in its own testing efforts on the jQuery projects. Like the jQuery Team, you too can use QUnit to test not only your jQuery-based code, but your generic JavaScript Code as well (both client and server-side). In this session, John will cover the basics of how to get up and running with QUnit. Topics will cover the three A's of testing: Arrange, Act and Assert as it applies to JavaScript.

TH14 Busy Developer's Guide to NodeJS – Intermediate

Ted Neward

Thursday, March 29

1:30 – 2:45 p.m.

ECMAScript (a.k.a. JavaScript to those unfamiliar with its "standards" name) has taken the development world by storm in the past few years, in no small part due to the success of the framework/tool/utility/environment known simply as NodeJS. In this presentation, we'll go over what is in NodeJS, but more importantly, what is in its impressive list of add-on modules, where to use it, when to use it, and how Node is just different enough from your traditional development stack to merit some attention.

TH18 Extending ASP.NET MVC with jQuery/Ajax and JSON – Introductory / Intermediate

John Petersen

Thursday, March 29

3:00 – 4:15 p.m.

You have completed your ASP.NET MVC application and your customer is thrilled. A few months later, another group in your organization would like access to the data your data and in some cases, would like to make updates to your data. Fortunately, ASP.NET MVC has the ability to expose a RESTful API. In the session, John will work through an actual use case where an existing application is retrofitted to support a RESTful API over existing application logic. This new RESTful API can then be used by other applications to interact with your application's data.

You will learn:

- What a RESTful API is
- How jQuery/Ajax/JSON work
- How to extend ASP.NET MVC with jQuery/Ajax/JSON to create a RESTful API

WINDOWS 8/WINRT

T1 Introduction to the Windows Runtime – Introductory

Rockford Lhotka

Tuesday, March 27

9:15 – 10:30 a.m.

The upcoming "Windows 8" operating system includes a new application development platform called the Windows Runtime or WinRT. In this session you will learn how WinRT fits into the overall Windows operating system and application platform, and see how it relates to .NET, Silverlight, HTML and other existing development technologies. As we all look forward to the future of software development it seems clear that WinRT will rapidly become an important component of the overall Microsoft development platform, and you need the clear picture of this technology provided by this session.

T5 Windows 8 Metro-style Application Contracts and Extensibility – Intermediate

Brian Peek

Tuesday, March 27

10:45 a.m. – 12:00 p.m.

Contracts are a new feature of Windows 8 Metro-style applications that allow applications to interact with the operating system and other Metro-style applications in a standard way. With contracts, applications can implement interfaces to allow searching, sharing, settings, app-to-app file picking, and more. In this session, we will explore these contracts and how they can be used in any Windows 8 Metro-style application to provide a seamless, integrated experience for users.

You will learn:

- How to use several of the Windows 8 Metro-style application contracts
- How to implement these contracts in ways that make sense for your application
- you coming iHow to make your application "feel" like it's part of the new Windows 8 UI

■ T9 Building Data Driven Applications Using WinRT and XAML – Intermediate

Sergey Barskiy

Tuesday, March 27

2:30 – 3:45 p.m.

This session will help attendees understand data access techniques in WinRT. The talk will highlight various ways to persist the data locally and via services. Topics will include data binding implications in regard with data usages, asynchronous access to data, and binding to various XAML controls.

You will learn:

- Build remote service and access data from it
- Persist and access data locally
- Bind data to XAML controls

■ T13 A Look at Windows 8 Metro Apps and WinRT Internals – Intermediate

Vishwas Lele

Tuesday, March 27

4:00 – 5:15 p.m.

This session will introduce the key concepts behind a Windows 8 Metro style App, including Windows RunTime, language projections and WinRT Type System. After a review of key concepts, we will walk-through several examples that illustrate how .NET languages and JavaScript can be used to build Windows Metro Style Apps.

WINDOWS PHONE 7

■ W4 XNA Games for Windows Phone – Introductory / Intermediate

Brian Peek

Wednesday, March 28

9:15 – 10:30 a.m.

You have Silverlight on Windows Phone under control, but what about XNA? If you're looking to create a more advanced game with better performance than Silverlight,

XNA is the platform for you. In this session, developers will learn how to build an XNA game targeted for Windows Phone. The basics of the platform will be demonstrated while building a simple Space Invaders-type game that would be Marketplace acceptable. Specifically, this session will cover how to deal with user input, play sound effects and music, display animated 2D graphics, and how to create a game that's ready to be sold on the Marketplace.

You will learn:

- The basics of XNA development on Windows Phone 7
- How to handle user input on the device
- How to play sound effects and music
- How to 2D display graphics
- How to package it all up into a game ready to be sold

■ W12 Making Money on Your WP7 Apps & Games with the Advertising SDK – Introductory / Intermediate

Chris G. Williams

Wednesday, March 28

2:30 – 3:45 p.m.

Learn how to use the Microsoft Advertising SDK and the Microsoft PubCenter to create and display ads in your Windows Phone 7 apps and games.

You will learn:

- How to set up your account on the Microsoft PubCenter and create your ad units
- How to use those ad units in Windows Phone Apps (created with Silverlight)
- How to use those ad units in Windows Phone Games (created in XNA)

■ TH4 Consuming Async Web Services In Your Windows Phone Apps & Games – Introductory

Chris G. Williams

Thursday, March 29

8:00 – 9:15 a.m.

Windows Phone offers two languages and two very different programming models for creating apps and

games. This talk will take a look at how to consume Asynchronous Web Services in both Silverlight and XNA.

You will learn:

- Create a basic WCF Web Service for testing purposes
- How to consume Asynchronous Web Services in Silverlight on Windows Phone 7
- How to consume Asynchronous Web Services in XNA on Windows Phone 7



“I enjoyed the knowledgeable presenters who are eager to answer questions and the wide variety of sessions.”

Marc Rind, Dev. Team manager, Tech Results

Visual Studio Live! Las Vegas Speakers

Rachel Appel - Developer Evangelist, Microsoft



Rachel works as a developer evangelist for Microsoft based in the NYC Metro area. Previous to joining Microsoft, Rachel has worked with a variety of languages, technologies and systems. She has developed software products of all sizes, from small desktop programs to large scale enterprise applications at some of the world's leading companies. Rachel's expertise lies within developing solutions that align business and technology using the Microsoft .NET family of products, particularly ASP.NET & SQL Server. She is also a recognized speaker who can be found giving talks at national conferences such as MIX, CodeStock and others. Rachel is also an alumni of the Microsoft MVP award program and INETA Speakers Bureau.

Sergey Barskiy - Principal Consultant, Magenic Technologies



Credentials: Microsoft MVP, MCSD, MCTS, MCDBA, MCAD, MCP I am a principal consultant with Magenic Technologies. I am a Microsoft MVP in Data Platform category. I have the following certifications: MCSD for .NET, MCAD for .NET, MCDBA, MCP. I have been working with Microsoft products for 13+ years. I worked with SQL Server, VS.NET and .NET framework for many years. I enjoy what I do and try my best to keep up with rapidly evolving industry. I frequently speak at various events around Atlanta.

Jason Bock - Principal Consultant, Magenic Technologies



Jason Bock is a Principal Consultant for Magenic (<http://www.magenic.com>) and a Microsoft MVP (C#). He has worked on a number of business applications using a diverse set of substrates and languages such as C#, .NET, and Java. He is the author of "Applied .NET Attributes", "CIL Programming: Under the Hood of .NET", ".NET Security", and "Visual Basic 6 Win32 API Tutorial". He has written numerous articles on software development

issues and has presented at a number of conferences and user groups. He is a leader of the Twin Cities Code Camp (<http://www.twincitiescodecamp.com>) and runs the Twin Cities Languages User Group (<http://www.twincitieslanguagesusergroup.com>). Jason holds a Master's degree in Electrical Engineering from Marquette University. Visit his web site at <http://www.jasonbock.net>.

Eric D. Boyd - Director, Chicago + Cloud Practice, Centare Group, Ltd.



Credentials: Professional Scrum Developer (PSD), MCTS Eric D. Boyd is a Director for Centare Group, Ltd. and is responsible for their Chicago business and Cloud Computing Practice. Eric began his technology career by starting a web development firm in the 90's and has served in multiple roles since including developer, consultant, business owner and technology executive. Today, he primarily helps Fortune 500 companies with software development practices and cloud computing in the Chicago-Milwaukee area.

Andrew Brust - Founder & CEO, Blue Badge Insights



Andrew Brust is Founder and CEO of Blue Badge Insights, an analysis, strategy and advisory firm serving Microsoft customers and partners. Brust also serves as CTO for Tallan, a Microsoft National Systems Integrator; is a Microsoft Regional Director and MVP; an advisor to the New York Technology Council; and co-author of "Programming Microsoft SQL Server 2008" (Microsoft Press, 2008). Brust is a frequent speaker at industry events and is a contributing editor to Visual Studio Magazine. He's been a participant in the Microsoft ecosystem for over 15 years, and has worked closely with both Microsoft's Redmond-based corporate team and its field organization for much of the last 10. Brust is a member of the Microsoft Partner Advisory Council and several "insiders" groups that supply him with insight around important technologies out of Redmond.

Keith Burnell - Senior Software Engineer, Skyline Technologies



Keith Burnell is a Senior Consultant with Skyline Technologies and Vice President for the Fox Valley .Net User's Group. Keith is a consultant in Northeast WI specializing in large scale ASP .NET web site development and architecture using Test Driven Development and other cutting edge methodologies.

Keith is an active member of the .Net community who speaks at the majority of the large upper Midwest developer events including Chicago Code Camp, Twin Cities Code Camp, Fox Valley Day of .Net, and Chippewa Valley Code Camp. When not coding, Keith enjoys golfing, woodworking, and spending time with his family.

Miguel Castro - Architect, IDesign



Miguel Castro is an architect with IDesign with over 22 years of experience in the software industry. He's a Microsoft MVP, member of the INETA Speakers Bureau, and ASP Insider. With a Microsoft background that goes all the way back to VB 1.0 (and QuickBasic in fact), Miguel has spoken at numerous user groups, code camps, and conferences throughout the US and overseas. He has also been featured on the technology talk shows, .NET Rocks, .NET Rocks-TV, Microsoft's ARCast (Architecture Podcast), and The Polymorphic Podcast on numerous occasions. He specializes in architecture and development consulting and training using Microsoft technologies. Miguel is also a regular author with CoDe Magazine.

Tiberiu Covaci - Independent Trainer



Tiberiu started his career as a professional developer in 1991. Since 2004 he has worked as an independent trainer, teaching classes about .NET programming on all levels. But what he loves most is teaching introductory courses because that gives him a chance to influence future

.NET programmers. His passion about technology made him a much appreciated speaker at different conferences like TechEd US & Europe, DevReach, NDC, TechDays, and ScanDev. He is a Group Leader for Sweden .NET User Group, an INETA Speaker Bureau member, INETA Country Lead for Sweden, and Telerik MVP.

Benjamin Day - Architect / Trainer / Coach, Benjamin Day Consulting, Inc.



Benjamin Day is a consultant and trainer specializing in software development best practices using Microsoft's development tools with an emphasis on Silverlight, Team Foundation Server, Windows Azure, and Scrum. He is a Microsoft Visual Studio ALM MVP, a certified Scrum trainer via <http://Scrum.org>, and a speaker at conferences such as TechEd and VSLive. When not developing software, Ben likes to hang out with his wife and cats, play jazz piano, and geek out on all things food. He can be contacted via <http://www.benday.com> and <http://blog.benday.com>.

Miguel de Icaza - CTO, Xamarin



Miguel is CTO at Xamarin and responsible for cross-platform mobile app development products MonoTouch and Mono for Android. Miguel has directed the Mono project since its creation in 2001 and oversaw the launches of Mono's desktop, server and mobile offerings at Novell from 2003-2011. Before Mono, he co-founded the GNOME project in 1997. In 1999 Miguel co-founded Ximian and worked on Gnumeric, and the Linux kernel. He has received the Free Software Foundation 1999 Free Software Award, the MIT Technology Review Innovator of the Year Award in 1999, and was named one of Time Magazine's 100 innovators for the new century in September 2000.

Rich Dudley - Technical Evangelist, ComponentOne



For an entire decade, Rich inhabited cubicles at several companies in the same office park, eventually leading a team of developers building data warehouses, web-based BI applications and integrating mission critical systems. Today, as a Technical Evangelist for ComponentOne, Rich travels the country sharing new technologies with an eye toward the usefulness of these technologies to the poor souls still in their cubicles. Rich has been working with Azure since the early beta days, with Windows Phone 7 since before you could leave one in a bar, and is co-author of "Microsoft Azure: Enterprise Application Development" from Packt Publishing (<http://bit.ly/msazurebook>). Follow Rich's on Twitter at http://twitter.com/#!/rj_dudley.

Nuno Godinho - Itech4All



Nuno Godinho is an independent consultant with 10 years of experience helping customers to identify, plan, manage and develop software products and solutions. A Windows Azure MVP and MCT, Nuno specializes in the Microsoft .NET platform; ASP.NET, Silverlight, Windows Forms, WCF, WF, WPF, Windows Phone and Windows Azure.

Follow Nuno on his bog at <http://www.msmps.org/blogs/nunogodinho>.

Ben Hoelting - Senior Software Developer, Intelligent Software Solutions, Inc and C#MVP



Ben graduated from Colorado State University in 1997 and joined the IT industry. Worked as a consultant for Colorado Technology Consultants, Inc. from 2005 - 2010 before joining ISS. His most recent projects include a Silverlight line of business application that uses the ADO.NET Entity Framework to access the backend data store. He also is working on an office automation solution that extends PowerPoint. Ben is a Microsoft Certified Professional Developer (MCPD) for Web and Windows .NET 4.0. His blog is at <http://www.benhblog.com> and his twitter stream is at <http://twitter.com/benhnet>. Finally, Ben is very

involved in the .NET community. He is the leader of the South Colorado .NET User Group and a regular speaker at user groups, code camps and conferences around the country.

Billy Hollis - Next Version Systems



Billy Hollis is an author and software developer from Nashville, Tennessee. Billy is co-author of the first book ever published on Visual Basic .NET, VB .NET Programming on the Public Beta. He has written many articles, and is a frequent speaker at conferences. He is the Regional Director of Developer Relations in Nashville for Microsoft, and runs a consulting company focusing on Microsoft.NET. You can visit his website at: www.billyhollis.com

Tim Huckaby - Chairman/Founder and CEO/Chairman, InterKnowledge and Actus Interactive Software



Tim Huckaby is currently focused on RIA & Rich Client Technologies like Silverlight, WPF, VSTO, Surface, and Windows 7 and the Multi-touch capabilities that these .NET technologies share. He has been called a "Pioneer of the Smart Client Revolution" by the press.

Tim has been awarded multiple times for the highest rated Keynote and technical presentations for Microsoft and numerous other technology conferences around the world by Microsoft Corporation. Tim has done Keynotes and Technical Session presentations on Microsoft Technologies at technology events all over the world and is consistently rated in the top 10% of all speakers at these events. Tim has done keynote demos for numerous Microsoft executives including Bill Gates and Steve Ballmer.

Tim founded InterKnowledge, experts in Microsoft .NET and Microsoft Platforms, in 1999 and has 25+ years experience including serving on a Microsoft server product team as a development lead on an architecture team. Tim is a Microsoft Regional Director, an MVP and serves on multiple Microsoft councils and boards.

Philip Japikse - *Patterns & Practices Evangelist, Telerik*



Phil Japikse has been working with .Net since the first betas, and developing software for over 20 years. Phil is a Microsoft MVP and also holds MCSD, MCDBA, CSM, and CSP certifications. Phil is an international speaker and a passionate member of the developer community, speaking at Code Camps and Days of .NET all across the country as well as serving as the Lead Director for the Cincinnati .Net User's Group. Phil works as the Patterns and Practices Evangelist for Telerik (www.telerik.com), is a Firefighter/Paramedic, and a volunteer for the Ski Patrol. You can follow Phil on twitter via www.twitter.com/skimedic and read his blog at www.skimedic.com/blog.

Deborah Kurata - *President, InStep Technologies, Inc.*



Deborah Kurata is cofounder of InStep Technologies Inc., a professional consulting firm that focuses on turning your business vision into reality using Microsoft .NET technologies. She has over 15 years of experience in architecting, designing, and developing successful applications.

Deborah has authored several books, including the "Doing Objects in Visual Basic" series (Addison-Wesley), "Best Kept Secrets in .NET" (Apress) and "Doing Web Development: Client-Side Techniques" (Apress).

Deborah speaks at conferences such as VSLive, DevDays, and TechEd. For her work in support of software development and software developers, she has been recognized with the Microsoft Most Valuable Professional (MVP) award. After a hard day of coding and taking care of her family, Deborah enjoys blowing stuff up (on the Xbox of course).

Vishwas Lele - *Architect, AIS*



Vishwas Lele is an AIS Chief Technology Officer and is responsible for the company vision and execution of creating business solutions using .NET technologies. Vishwas brings close to 20 years of experience and thought leadership to his position, and has been at AIS for 13 years. A noted industry speaker and author, Vishwas is the Microsoft Regional Director for the Washington, D.C. area and a

member of the Connected Systems Division Advisors group. Additionally, Vishwas has received an MVP (Most Valuable Professional) for Solution Architecture award for 2009.

Rockford Lhotka - *Principal Technology Evangelist, Magenic*



Rockford Lhotka is the author of numerous books, including the new Expert C# 2008 Business Objects book. He is a Microsoft Regional Director, MVP and INETA speaker. He contributes to several major magazines and regularly presents at major conferences around the world. Rockford is the Principal Technology Evangelist for Magenic (www.magenic.com), a company focused on delivering business value through applied technology and one of the nation's premiere Microsoft Gold Certified Partners. For more information go to www.lhotka.net.

Leonard Lobel - *CTO, Sleek Technologies, Inc.*



Leonard Lobel is the chief technology officer (CTO) and co-founder of Sleek Technologies, Inc., a New York-based development shop with an early adopter philosophy toward new technologies. He is also a principal consultant at twenty-six New York, a Microsoft Gold Certified Partner. Programming since 1979, Lenni specializes in Microsoft-based solutions, with experience that spans a variety of business domains, including publishing, financial, wholesale/retail, health care, and e-commerce. Lenni has served as chief architect and lead developer for various organizations, ranging from small shops to high-profile clients. He is also a consultant, trainer, and a frequent speaker at local usergroup meetings, VSLive, SQL PASS, and other industry conferences. Lenni is also lead author in the new MS Press book "Programming Microsoft SQL Server 2008". He can be reached at lenni.lobel@26ny.com.

Dr. James McCaffrey - *Developer, Microsoft Research*



Dr. James McCaffrey works for Microsoft Research in Redmond, WA. His areas of interest include artificial intelligence, data mining, and software testing. James has worked on several key Microsoft products including Internet Explorer and Search/Bing. James has a BA in psychology from the University of California at Irvine, a

BA in mathematics from California State University at Fullerton, an MS in Information Systems and Computer Science from Hawaii Pacific University, and a PhD from the University of Southern California. James is a Contributing Editor for MSDN Magazine, a contributor to Visual Studio Magazine, and is the author of ".NET Test Automation Recipes" (Apress publishing).

Ted Neward - *Architectural Consultant, Neudesic*



Ted Neward is a programming language, virtual machine, and enterprise-scale system architect. He has written a dozen books and hundreds of articles on .NET, Java, enterprise systems, and programming languages. He resides in the Pacific Northwest. He can be found on the Internet at <http://www.tedneward.com>, particularly his weblog at <http://blogs.tedneward.com>.

Brian Peek - *Senior Technical Evangelist, Microsoft*



Brian Peek is a Technical Evangelist at Microsoft, working on the Channel 9 team. Previously a Microsoft MVP in the C# discipline, he has authored numerous articles and projects for the Coding4Fun website and Microsoft conferences. Brian specializes in software development using a variety of Microsoft technologies and platforms. He is also well-versed in hardware projects, graphics and game development. Additionally, he has co-authored the book "Coding4Fun: 10 .NET Programming Projects for Wiimote, YouTube, World of Warcraft, and More" published by O'Reilly, and the book "Debugging ASP.NET" published by New Riders. Brian speaks at conferences around the country and can be reached on Twitter at @BrianPeek or via his blog at <http://www.brianpeek.com/>.

John Petersen - *Microsoft Practice Director, CEI America*



John Petersen has been developing software for 20 years, starting with dBase, Clipper and FoxBase + thereafter, migrating to FoxPro and Visual FoxPro and Visual Basic. Other areas of concentration include Oracle and SQL Server - versions 6-2008. John is the Philadelphia Microsoft Practice Director for CEI America (www.ceiamerica.com), a Microsoft Gold Partner. From 1995 to 2001, he was a Microsoft Visual FoxPro MVP.

Brian Randell - Senior Consultant, MCW Technologies



Brian A. Randell is a senior consultant with MCW Technologies, LLC. For over 20 years, Brian has been building software solutions and educating his fellow developers. Brian spends his time teaching Microsoft technologies to developers, working with new and emerging technologies like Visual Studio 2010, Team Foundation Server 2010, SQL Server 2008 R2, and SharePoint 2010, and consulting worldwide for Fortune 500 companies like Microsoft, state and local governments, and small businesses. Brian enjoys helping people get the most out of their software. He does this through training for MCW Technologies and speaking at events such as VSLive!, Tech•Ed, and the PDC. In addition, Brian shares through the written word. Brian currently writes the Team System column for MSDN Magazine.

Michael Stiefel - President, Reliable Software, Inc.



Michael Stiefel, principal of Reliable Software, Inc. is a consultant on software architecture and development, and the alignment of information technology with business goals. His current work involves: * Distributed application development and implementation such as Software as a Service * Software best practices in Microsoft .NET * Technologies such as Microsoft Azure, Windows Communication Foundation, and SQL Server. * Advising on IT strategy and planning, including budgeting, hiring, and growth management, including the appropriate use of Agile development * Requirements analysis and project planning.

He is currently a member of the OASIS Identity in the Cloud Technical Committee. As a member of an OASIS Technical Committee he helped develop a core SOA Reference Model and related Reference Architectures. He was a Lecturer in the Aeronautics and Astronautics Department at the Massachusetts Institute of Technology where his research and teaching focus was understanding how people build mental models in order to solve problems. As Adjunct faculty, Stiefel has taught graduate and undergraduate software engineering courses at Northeastern University

and Framingham State University. Michael Stiefel's education is from Massachusetts Institute of Technology, He is an active member of the IEEE Consultant's Network.

Adam Tuliper - Software Architect, Cegedim



Adam Tuliper has been developing software for over 15 years. He started his work in security and reverse engineering (x86 based - pre .NET) with the direction of going into the software protection and anti-piracy field. This gave him a foundation for learning the internals of other technologies from Win32 systems to CLR systems. Besides development, he has performed security audits and penetration testing for large and small companies alike. Adam currently works as a Software Architect for Cegedim and is working on a 'Security in Development' video training series. He has been deeply involved in .NET internals since early beta and currently works extensively with WCF, ASP.NET, SQL Server, MVC, C#, jQuery, and Silverlight. He is a Certified Scrum Master and an MCPD Enterprise Application Developer.

Michael Washington - Programmer, ADefWebserver.com



Michael Washington is the founder of LightSwitch.ADefWebserver.com. He is an ASP.NET, C#, and Visual Basic programmer. He has extensive knowledge in process improvement, billing systems, and student information systems. He is a Microsoft Silverlight MVP. Michael has a son, Zachary and resides in Los Angeles with his wife Valerie.

Chris G. Williams - Principal Consultant, Magenic



Chris Williams is a Principal Consultant for Magenic and the author of Professional Windows Phone 7 Game Development. He's also a DirectX / XNA MVP, MCT, MCSD, MCAD, freelance game developer, conference speaker, vintage arcade game collector & INETA Community Champion.

Visual Studio Live! Las Vegas Sponsor

PLATINUM SPONSOR:



The Microsoft® Visual Studio® development system is a comprehensive suite of tools designed to help software developers create innovative, next-generation applications. Building on the integrated environment that makes it possible for a team to collaborate on creating and debugging applications, Visual Studio 2010 helps today's developers target a growing number of platforms, including Microsoft SharePoint®, and build applications for the cloud. www.microsoft.com/visualstudio



Registration Packages (See next page for group discounts)

Includes the five day all-access pass to every keynote, session, workshop and event **March 26-30, 2012.**

VISUAL STUDIO LIVE! BEST VALUE PACKAGE

Standard
(after February 29)
\$2,095

PACKAGE INCLUDES:

All Visual Studio Live! Sessions and Keynotes • Pre-conference workshops • Post-conference workshops • Reception
Networking Events • Lunch (March 26-30) • Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with
Completed Survey • Proceedings CD of all course notes and sample code



Includes the five day all-access pass (**March 26-30, 2012**) PLUS five nights at The Mirage Resort & Casino, Las Vegas, NV.

VISUAL STUDIO LIVE! COMPLETE CONFERENCE & HOTEL PACKAGE

Standard
(after February 29)
\$2,935

PACKAGE INCLUDES:

- 5-day Best Value Conference Pass
- 5 nights at The Mirage Resort & Casino (Room and tax only) - only available Sunday night (March 25) through Thursday night (March 29), departing Friday (March 30)

Registration Packages (continued)

Group Discounts: Save \$500

Bring 3 or more colleagues to Visual Studio Live! Las Vegas and **SAVE \$500** off the standard rate! The Group Discount Package includes the five day all-access pass to every keynote, session, workshop, and special event March 26-30.

\$1,595 per attendee
(Save \$500 off standard rate)

Package Includes:

- All Visual Studio Live! Sessions and Keynotes
- Pre-conference workshops
- Post-conference workshops
- Reception
- Networking Events
- Lunch (March 26-30)
- Coffee and Morning Pastries
- Laptop Computer Bag
- T-shirt with Completed Survey
- Proceedings CD of all course notes and sample code

The Visual Studio Live! Conference Package grants you access to all sessions and activities **March 27-29, 2012**.
(Does not include Workshops)

VISUAL STUDIO LIVE! 3 DAY CONFERENCE PACKAGE

Standard
(after February 29)
\$1,695

PACKAGE INCLUDES:

All Visual Studio Live! Sessions and Keynotes • Reception • Lunch (March 27-29) • Coffee and Morning Pastries • Laptop Computer Bag • T-shirt with Completed Survey • Proceedings CD of all course notes and sample code

Grants you access to one full-day workshop on either **Monday, March 26 OR Friday, March 30, 2012**

ONE-DAY WORKSHOP PASS \$495

PASS INCLUDES:
PASS INCLUDES:
Pre-Conference Workshop – Monday, March 26, 2012;
OR Post-Conference Workshop – Friday, March 30, 2012

Book includes Conference session slides and space for taking notes.

CONFERENCE PROCEEDING BOOK \$40

All attendees will receive the Visual Studio Live! Attendee proceedings CD. However, the full Visual Studio Live! New York proceedings book is available for \$40 and contains all of the session slides contained in the CD with plenty of extra space for taking notes.