



## YOUR GUIDE TO THE .NET DEVELOPMENT UNIVERSE

WE  
AND  
LONG  
CODE

### Tracks Include:

- ASP.NET
- Cloud Computing
- Cross-Platform Mobile Development
- JavaScript/HTML5 Client
- SharePoint
- SQL Server
- Visual Studio / .NET Framework
- Windows Client
- Windows Phone

CLICK HERE AND JOIN THE COMMUNITY DISCUSSIONS TODAY!





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## A MESSAGE FROM THE CONFERENCE CO-CHAIRS

The Microsoft Development Platform is undergoing substantial change as Microsoft continues its rapid evolution of Windows 8, Windows RT, and Windows Phone. The Windows Runtime (WinRT) appears to be the future common development platform for the Windows clients. Add to that the industry-wide HTML5 push and Microsoft's ongoing commitments to JavaScript/TypeScript and related open source frameworks. Then there's SQL Server, Big Data and a continuous stream of enhancements to Windows Azure, and just about the whole stack has changed, or will very soon.

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! Chicago, we'd like to personally invite you to join us this May at the Hilton Chicago, 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, ASP.NET, HTML5/JavaScript, Mobile Development, WPF, Data Management, SQL Server, Azure/Cloud Computing and more.

We've also got coverage on technologies like Microsoft Visual Studio 2013/.NET 4.5.1, OWIN and Katana, Web API, Xamarin, and TypeScript. Then there's our workshop content, covering Modern UX Design, HTML5 single page applications, and SQL Server. These sessions and workshops 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. With so much change in the Microsoft stack, it's a necessity. Don't be overwhelmed by the change...find a way to get to Visual Studio Live! Chicago and embrace it instead.

We hope to see you there!



Andrew Brust  
Visual Studio Live! Co-Chair



Rockford Lhotka  
Visual Studio Live! Co-Chair

## VISUAL STUDIO LIVE! CHICAGO ADVISORY COUNCIL



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



**Michael Desmond**  
Editor in Chief,  
*MSDN Magazine*



**Rockford Lhotka**  
Visual Studio Live!  
Chicago Co-chair  
CTO, *Magenic*



**Lafe Low**  
Editor,  
*Visual Studio Live!*



**Keith Ward**  
Editor in Chief,  
*Visual Studio Magazine*

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## REASONS TO ATTEND VISUAL STUDIO LIVE! CHICAGO

**CHICAGO 2014**  
May 5 – 8 | Chicago Hilton

- 1. LIVE LONG AND CODE.** The Developer Community has trusted Visual Studio Live! for 21 years (and counting!), for the best in developer-focused education and training.
- 2. REGISTER EARLY AND OFTEN.** Just kidding! Registering once is all you need to do, but the earlier you do it, the more you'll save!
- 3. VIEWS FROM EVERY ANGLE.** 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. SET PHASERS TO NETWORK.** Developers, engineers, software architects and designers will all be at the conference – take advantage of meal times and networking events to get to know your fellow attendees and speakers.
- 5. WE'RE GIVIN' YOU ALL WE GOT, CAPT'N.** The information-packed 4-day agenda offers multiple sessions in tracks such as Visual Studio /.NET Framework, Cloud Computing, Cross-Platform Mobile and JavaScript/HTML5 Client.
- 6. STELLAR SPEAKERS.** Come hear your favorite industry speakers all in one place, including Rachel Appel, Miguel Castro, Billy Hollis, Leonard Lobel and Brian Randell — just to name a few.
- 7. #TRENDING.** Find out what's happening now, what's new and what's next on the Microsoft and developer landscape.
- 8. NOT COMING TO A WORKSHOP? HIGHLY ILLOGICAL.** Come in on Monday and attend a pre-conference workshop on Modern UX Design, Data-Centric Single Page Applications, or SQL Server for Developers.
- 9. RESISTANCE IS FUTILE.** Moving to the Cloud + Embracing enterprise mobility + Opening the floodgates of open source development = you can't avoid change. Are you ready? Andrew Brust and Rockford Lhotka, our conference co-chairs, are here to help you not only understand and work with the change, but master it!
- 10. CHICAGO IS OUR KIND OF TOWN!** From the Magnificent Mile to the inspiring architecture to da 'za and 'dogs, we're thrilled to be back in the Windy City this year!

## EVENTS & KEYNOTES

### THE FUN STUFF: VISUAL STUDIO LIVE! CHICAGO EVENTS

Your attendance at Visual Studio Live! Chicago is about learning from your peers as well as the experts; make the most of your time with us and add these events to your itinerary!

#### DINE-A-ROUND DINNER

Monday, May 5, 6:00 - 9:00 p.m.

Join other conference attendees and speakers for a casual, no-host dinner and make a few new friends while enjoying the fun and delicious restaurants in the Grant Park area. This is your opportunity to meet fellow attendees and start friendships that can last for the week or even longer. Attendees can break into smaller groups based on where everyone wants to dine and head off to dinner. Everyone is responsible for their own dinner.

#### EXHIBITOR WELCOME RECEPTION

Tuesday, May 6, 6:00 – 7:30 p.m.

All conference attendees are invited to celebrate the start of Visual Studio Live! Chicago at the Exhibitor Welcome Reception. Join us in the expo area to network with fellow conference attendees and speakers, talk with the event sponsors, enjoy

complimentary drinks and hors d'oeuvres, and participate in the conference raffle.

#### TUESDAY KEYNOTE

Tuesday, May 6, 8:00 - 9:00am



*Craig Kitterman*  
Group Product Manager,  
Visual Studio Team, Microsoft

#### Modern Application Lifecycle Management

Delivering high-quality, modern applications requires modern application lifecycle management tools and processes. In this demo-packed session, you will learn about updates to Microsoft's application lifecycle management

offerings which will enable your software development teams to be more productive and to collaborate more effectively. Discover how your development team can collaborate more easily with operations teams and embrace a DevOps culture to enable continuous delivery. And take advantage of new monitoring and analytics capabilities to always ensure that your applications are available, performing, and succeeding.

#### WEDNESDAY KEYNOTE

Wednesday, May 7, 8:00 - 9:00am



*Billy Hollis*  
Next Version Systems

#### There's No Future in the Past: A Critique of Conventional Thinking on the Radical Changes in Our Industry

The cloud, touch, mobile devices, modern apps, new platforms...

only once in a generation do we see change so vast it affects everything we do. Pundits and gurus come forth to guide us through the change, confidently assuring us that they know the right path. But do they? In this keynote, Billy Hollis casts a critical eye on current conventional wisdom about this thundering wave of change. He embraces a vision of a more diverse future for our industry, filled with opportunity but requiring us to rethink almost every process and best practice we've ever learned. He'll talk about how the cloud will likely lead to changes in agile processes, and how it will drive radically new platforms for development. He'll offer a contrary view on the evolution of user experience, interaction technologies, devices, and user interface technology stacks. And he'll give you some advice on how to evaluate your own role in the unfolding, open-ended future of software development.

**EVENTS & KEYNOTES, CONTINUED**

**BIRDS OF A FEATHER LUNCH**  
Wednesday, May 7, 12:00 – 1:30 p.m.

Plumb the knowledge and experience of your colleagues, conference speakers and exhibitors by participating in one of the BoF Tables discussions. These tables are designated with a sign and seating is on a first-come basis.



There will be a wide variety of topics including:

Birds of a Feather Table Topics:

- ASP.NET (Web Forms, MVC)
- WPF / Silverlight
- Visual Studio
- Languages (VB, C#, JavaScript)
- ALM
- SharePoint and Office
- LINQ, Entity Framework, ADO.NET
- Services (WCF, Web API, OData)
- .NET
- Windows Azure
- Mobile Development
- LightSwitch
- HTML5/IE 10/Typescript
- Windows 8.1/WinRT apps

**BLUES AFTER DARK AT BUDDY GUY'S LEGENDS**

Wednesday, May 7, 7:00 - 9:00 p.m.

Buddy Guy's Legends,  
700 S. Wabash Ave.,  
Chicago, IL



Chicago is known for blues, that's why Visual Studio Live! Chicago is hosting a reception at Buddy Guy's Legends for all conference attendees. After a full day of ses-



sions and code, code, code, we're giving you the perfect excuse to sit back, relax with a cocktail, Cajun soul food, and Live! Blues.

Located just three blocks from the Hilton Chicago, Buddy Guy's Legends will be everything a developer needs after an exciting day of in-depth content. Great blues music, fantastic company, billiards, and a selection of hors d'oeuvres and cocktails to unwind with.

**What:** Blues after Dark at Buddy Guy's Legends

**Where:** Buddy Guy's Legends, 700 S. Wabash Ave., Chicago, IL

**When:** 7:00 pm on May 7, 2014

**Why:** Cocktails, Cajun hors d'oeuvres, music, friends. What else could you need?

And, the best part? You don't have to get on any guest list for this party. Simply show your Visual Studio Live! badge at the door and that's it!



**AGENDA AT-A-GLANCE** (MONDAY & TUESDAY)

		Visual Studio / .NET Framework	Windows Client	Cloud Computing	Windows Phone	Cross-Platform Mobile Development	ASP.NET	JavaScript / HTML5 Client	SharePoint	SQL Server
<b>START TIME</b>	<b>END TIME</b>	<b>Visual Studio Live! Pre-Conference Workshops: Monday, May 5, 2014</b> (Separate entry fee required)								
7:30 AM	9:00 AM	Pre-Conference Workshop Registration								
9:00 AM	6:00 PM	<b>MW01 - Workshop: Modern UX Design - Billy Hollis</b>			<b>MW02 - Workshop: Data-Centric Single Page Applications with Angular, Breeze, and Web API- Brian Noyes</b>			<b>MW03 - Workshop: SQL Server for Developers - Andrew Brust &amp; Leonard Lobel</b>		
6:00 PM	9:00 PM	Dine-A-Round Dinner								
<b>START TIME</b>	<b>END TIME</b>	<b>Visual Studio Live! Day 1: Tuesday, May 6, 2014</b>								
7:00 AM	8:00 AM	Registration								
8:00 AM	9:00 AM	<b>Keynote: Modern Application Lifecycle Management - Craig Kitterman, Group Product Manager, Visual Studio Team, Microsoft</b>								
9:15 AM	10:30 AM	<b>T01 - What's New in WinRT Development - Rockford Lhotka</b>		<b>T02 - What's New in the Visual Studio 2013 IDE - Radhika Tadinada</b>		<b>T03 - HTML5 for Better Web Sites - Robert Boedigheimer</b>		<b>T04 - Introduction to Windows Azure - Vishwas Lele</b>		
10:45 AM	12:00 PM	<b>T05 - XAML Anti-Patterns - Ben Dewey</b>		<b>T06 - ALM with Visual Studio 2013 and Team Foundation Server 2013 - Brian Randell</b>		<b>T07 - Great User Experiences with CSS 3 - Robert Boedigheimer</b>		<b>T08 - Loosely Coupled Applications with Service Bus and Document-centric Data Stores - Vishwas Lele</b>		
12:00 PM	1:30 PM	Lunch - Visit Exhibitors								
1:30 PM	2:45 PM	<b>T09 - Interaction Design Principles and Patterns - Billy Hollis</b>		<b>T10 - What's New for Web Developers in Visual Studio this Year? - Mads Kristensen</b>		<b>T11 - Build Angular Applications Using TypeScript - Part 1 - Sergey Barskiy</b>		<b>T12 - Windows Azure SQL Database – SQL Server in the Cloud - Leonard Lobel</b>		
3:00 PM	4:15 PM	<b>T13 - Applying UX Design in XAML - Billy Hollis</b>		<b>T14 - Why Browser Link Changes Things, and How You Can Write Extensions? - Mads Kristensen</b>		<b>T15 - Build Angular Applications Using TypeScript - Part 2 - Sergey Barskiy</b>		<b>T16 - Solving Security and Compliance Challenges with Hybrid Clouds - Eric D. Boyd</b>		
4:15 PM	4:45 PM	Networking Break - Visit Exhibitors								
4:45 PM	6:00 PM	<b>T17 - WPF Still Alive and Kicking - Ben Dewey</b>		<b>T18 - Katana, OWIN, and Other Awesome Codenames: What's Coming? - Howard Dierking</b>		<b>T19 - Building Real Time Applications with ASP.NET SignalR - Rachel Appel</b>		<b>T20 - Learning Entity Framework 6 - Leonard Lobel</b>		
6:00 PM	7:30 PM	Exhibitor Welcome Reception								

\*Speakers and Sessions Subject to Change.

**AGENDA AT-A-GLANCE** (WEDNESDAY)

		Visual Studio / .NET Framework	Windows Client	Cloud Computing	Windows Phone	Cross-Platform Mobile Development	ASP.NET	JavaScript / HTML5 Client	SharePoint	SQL Server
		<b>Visual Studio Live! Day 2: Wednesday, May 7, 2014</b>								
START TIME	END TIME	Registration								
7:00 AM	8:00 AM	Registration								
8:00 AM	9:00 AM	<b>Keynote:</b> There's No Future in the Past: A Critique of Conventional Thinking on the Radical Changes in Our Industry - <i>Billy Hollis, Next Version Systems</i>								
9:15 AM	10:30 AM	<b>W01</b> - Windows 8 HTML/JS Apps for the ASP.NET Developer - <i>Adam Tuliper</i>	<b>W02</b> - Creating Data-Driven Mobile Web Apps with ASPNET MVC and jQuery Mobile - <i>Rachel Appel</i>	<b>W03</b> - Leveraging Visual Studio Online - <i>Brian Randell</i>	<b>W04</b> - Programming the T-SQL Enhancements in SQL Server 2012 - <i>Leonard Lobel</i>					
10:45 AM	12:00 PM	<b>W05</b> - Developing Awesome 3D Applications with Unity and C#/JavaScript - <i>Adam Tuliper</i>	<b>W06</b> - Getting Started with Xamarin - <i>Walt Ritscher</i>	<b>W07</b> - JavaScript for the C# Developer - <i>Philip Japikse</i>	<b>W08</b> - SQL Server 2014: Features Drill-down - <i>Scott Klein</i>					
12:00 PM	1:30 PM	Birds-of-a-Feather Lunch & Exhibitor Raffle at 1:15pm MUST be present to win								
1:30 PM	2:45 PM	<b>W09</b> - What's New in WPF 4.5 - <i>Walt Ritscher</i>	<b>W10</b> - Building Multi-Platform Mobile Apps with Push Notifications - <i>Nick Landry</i>	<b>W11</b> - Build Data-Centric HTML5 Single Page Applications with Breeze - <i>Brian Noyes</i>	<b>W12</b> - SQL Server 2014 In-memory OLTP - Deep Dive - <i>Scott Klein</i>					
3:00 PM	4:15 PM	<b>W13</b> - Implementing M-V-VM (Model-View-View Model) for WPF - <i>Philip Japikse</i>	<b>W14</b> - Getting Started with Windows Phone Development - <i>Nick Landry</i>	<b>W15</b> - Knocking it Out of the Park, with Knockout.JS - <i>Miguel Castro</i>	<b>W16</b> - NoSQL for the SQL Guy - <i>Ted Neward</i>					
4:30 PM	5:45 PM	<b>W17</b> - Build Maintainable Windows Store Apps with MVVM and Prism - <i>Brian Noyes</i>	<b>W18</b> - Build Your First Mobile App in 1 Hour with Microsoft App Studio - <i>Nick Landry</i>	<b>W19</b> - JavaScript: Turtles, All the Way Down - <i>Ted Neward</i>	<b>W20</b> - SQL Server Data Tools - <i>Leonard Lobel</i>					
7:00 PM	9:00 PM	Blues after Dark at Buddy Guy's Legends								

\*Speakers and Sessions Subject to Change.

**"SEVERAL OF THE PRESENTATIONS WERE CUTTING EDGE  
- THEY WOULD HAVE INSIDER TIPS THAT YOU CAN'T  
EASILY SEARCH FOR OR WOULDN'T KNOW TO LOOK FOR."**

*John Kilic  
Web Application Developer  
Grand Canyon University*



**AGENDA AT-A-GLANCE** (THURSDAY)

		Visual Studio / .NET Framework	Windows Client	Cloud Computing	Windows Phone	Cross-Platform Mobile Development	ASP.NET	JavaScript / HTML5 Client	SharePoint	SQL Server
		<b>Visual Studio Live! Day 3: Thursday, May 8, 2014</b>								
START TIME	END TIME	Registration								
7:30 AM	8:00 AM									
8:00 AM	9:15 AM	<b>TH01</b> - Building Apps for SharePoint - <i>Mark Michaelis</i>	<b>TH02</b> - To Be Announced			<b>TH03</b> - What's New in MVC 5 - <i>Miguel Castro</i>		<b>TH04</b> - Excel, Power BI and You: An Analytics Superhub - <i>Andrew Brust</i>		
9:30 AM	10:45 AM	<b>TH05</b> - Zero to Connected with Windows Azure Mobile Services - <i>Brian Noyes</i>	<b>TH06</b> - Essential C# 6.0 - <i>Mark Michaelis</i>			<b>TH07</b> - What's New in Web API 2 - <i>Miguel Castro</i>		<b>TH08</b> - Big Data 101 with HDInsight - <i>Andrew Brust</i>		
11:00 AM	12:15 PM	<b>TH09</b> - Building Services with ASP.NET MVC Web API Deep Dive - <i>Marcel de Vries</i>	<b>TH10</b> - Performance and Diagnostics Hub in Visual Studio 2013 - <i>Brian Peek</i>			<b>TH11</b> - Upgrading Your Existing ASP.NET Apps - <i>Pranav Rastogi</i>		<b>TH12</b> - To Be Announced		
12:15 PM	1:30 PM	Lunch								
1:30 PM	2:45 PM	<b>TH13</b> - Beyond Hello World: A Practical Introduction to Node.js on Windows Azure Websites - <i>Rick Garibay</i>	<b>TH14</b> - Visual Studio 2013 Release Manager: Reduce Your Cycle Time to Improve Your Value Delivery - <i>Marcel de Vries</i>			<b>TH15</b> - Finding and Consuming Public Data APIs - <i>G. Andrew Duthie</i>		<b>TH16</b> - Git for the Microsoft Developer - <i>Eric D. Boyd</i>		
3:00 PM	4:15 PM	<b>TH17</b> - From the Internet of Things to Intelligent Systems: A Developer's Primer - <i>Rick Garibay</i>	<b>TH18</b> - Create Automated Cross Browser Testing of Your Web Applications with Visual Studio CodedUI - <i>Marcel de Vries</i>			<b>TH19</b> - Provide Value to Customers and Enhance Site Stickiness By Creating an API - <i>G. Andrew Duthie</i>		<b>TH20</b> - Writing Asynchronous Code Using .NET 4.5 and C# 5.0 - <i>Brian Peek</i>		
4:30 PM	5:30 PM	Conference Wrap-Up Panel: <i>Eric D. Boyd, Andrew Brust, Miguel Castro, Rockford Lhotka, &amp; Brian Peek</i>								

\*Speakers and Sessions Subject to Change.

**"I REALLY LIKED THE DEMOS DONE BY THE SESSION SPEAKERS - GREAT CONTENT! THIS CONFERENCE ADDRESSES SOLUTIONS TO A LOT OF VISUAL STUDIO ISSUES."**

- Doris Klass, ISGI

## VISUAL STUDIO LIVE! WORKSHOPS

### ■ MW01 Workshop: Modern UX Design – Introductory

**Billy Hollis**

Monday, May 5

9:00 am – 6:00 pm

Modern apps are now mainstream for many businesses, but they require new skills and processes compared to traditional business applications. In this highly interactive workshop, you'll learn principles and concepts you'll need for modern app design, plus process options for adding design phases to your development. Hints and pitfalls for designing mobile and touch applications will be covered, but most of the content applies to all modern applications, including those on the desktop. You'll also be challenged to solve real modern app problems, and work in small groups to apply your newly-learned design expertise. You'll also see examples of modern apps to provide you with inspiration for your own circumstances. This workshop is appropriate for anyone working on or starting work on a modern UI stack, such as XAML, HTML5, iOS, or Android.

#### You will learn:

- The most important fundamental design principles that inform the design of modern apps
- Discover a path to continue learning design principles on your own
- See options for a structured design process
- Specific design hints for mobile and touch applications

### ■ MW02 Workshop: Data-Centric Single Page Applications with Angular, Breeze, and Web API – Introductory / Intermediate

**Brian Noyes**

Monday, May 5

9:00 am – 6:00 pm

You need to build an HTML client app either as a browser app or to package as a hybrid mobile app, and there is a lot of data presentation and manipulation involved. You may be fully embracing the Single Page Application (SPA) architecture, or you may just have some highly interactive and data-centric pages you need to implement. You want

to make sure you end up with good, clean, maintainable, testable, and easy to implement client and server side code.

This workshop will take you end-to-end, showing you how to put together a rich data driven HTML client interface using Angular to separate the UI data manipulation, separate the markup and logic, and navigate between views. You'll see how to use Breeze to do the heavy lifting on making the service calls for you, tracking changes on the entities, sending changes to the server side in batches, and more. Then you'll also see how to set up the server side using ASP.NET Web API to expose the services consumed by your client. By the end of the day, you will know how to build out the vertical slices of your app from top to bottom.

#### You will learn:

- How to do data binding in HTML client side applications with AngularJS
- How to structure views, view models, and navigation with Angular
- How to simplify AJAX data access via services with Breeze

### ■ MW03 Workshop: SQL Server for Developers – Intermediate

**Andrew Brust & Leonard Lobel**

Monday, May 5

9:00 am – 6:00 pm

This full-day workshop will get you up to speed on powerful new features in SQL Server 2008, SQL Server 2008 R2, and SQL Server 2012. Lenni 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. 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 added 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 FileStream) 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.

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

## SESSION DESCRIPTIONS BY TRACK

### VISUAL STUDIO / .NET FRAMEWORK

The latest Microsoft .NET Framework release includes exciting new capabilities that apply to any type of .NET application. Visual Studio 2013 provides ever more powerful features around debugging, architecture and application lifecycle management (ALM). Visual Studio Live! gives you the information you need to understand and leverage the power of .NET, Visual Studio, ALM, and the .NET Framework today and into the future. Topics in this track include:

- Numerous new sessions focused on Visual Studio 2013 and Windows 8.x
- ALM, Visual Studio tooling, Visual Studio Online, and DevOps
- Asynchronous programming
- Modern .NET development practices and principles

#### ■ T02 What's New in the Visual Studio 2013 IDE – *Introductory / Intermediate* Radhika Tadinada

Tuesday, May 6 9:15 am – 10:30 am

With Visual Studio 2013 it just gets better when your IDE is connected. New roaming support, notifications and a new Visual Studio Updates experience means you get fixes and features sooner. Come see demonstrations that show off the many new productivity improvements, how Visual Studio takes understanding code to the next level and other IDE features in the next version of Visual Studio.

#### ■ T06 ALM with Visual Studio 2013 and Team Foundation Server 2013

– *Intermediate*

Brian Randell

Tuesday, May 6 10:45 am – 12:00 pm

Have you looked at the latest versions of Visual Studio and Team Foundation Server for your teams? Well you should. A lot has changed. From better agile management tools, Team Rooms, Git support, DevOps integration with System Center, PowerShell integration with Builds, TFS has something for everyone. As for Visual Studio, tools like CodeLens, IntelliTrace, and rich test integration mean there's lots of great tools to write better code, deliver higher quality solutions, and find those nasty problems when they do show up.

#### ■ W03 Leveraging Visual Studio Online – *Intermediate*

Brian Randell

Wednesday, May 7 9:15 am – 10:30 am

Moving to the cloud means many things. For one you no longer have to worry about backing up your TFS box. You do backup right? What about restore? In either case Visual Studio Online offers a great experience for most teams and in this session Brian will show the latest features and how you use them. You learn about Code—using traditional Team Foundation version control as well as Git. You'll see the agile planning tools, rich test features, as well as Build. In addition, you'll get a preview of the new Application Insights features to help you monitor your production applications.

#### ■ TH06 Essential C# 6.0 –

Mark Michaelis

Thursday, May 8 9:30 am – 10:45 am

Don't miss this session to preview the C# language changes that will be part of C# 6.0. Whether they are related to Roslyn or actual language improvements, this

session will show you how C# 6.0 will streamline your development and eliminate some of C#'s traditional ceremony.

**You will learn:**

- C# 6.0 language changes
- Best practices regarding the new C# features
- Real world examples of how C# 6.0 will improve .NET development

#### ■ TH10 Performance and Diagnostics Hub in Visual Studio 2013 –

*Introductory / Intermediate*

Brian Peek

Thursday, May 8 11:30 am – 12:15 pm

Visual Studio 2013 has introduced a new Performance and Diagnostics hub which encompasses a variety of new and old tools to profile your Windows Store applications. In this session, we will take a detailed look at all of the tools that the Performance and Diagnostics Hub has to offer with both XAML and HTML/JavaScript Windows Store apps.

**You will learn:**

- Overview of the Performance and Diagnostics Hub
- How to profile applications for Energy Consumption, UI responsiveness and memory usage
- How to fix those issues to build a better application

#### ■ TH14 Visual Studio 2013 Release Manager: Reduce Your Cycle Time to Improve Your Value Delivery –

*Introductory / Intermediate*

Marcel de Vries

Thursday, May 8 1:30 pm – 2:45 pm

The faster your software is deployed, the quicker you can get feedback. With release management in Visual Studio you can configure, approve and deploy your applications for any environment. You can set up automated deployment orchestrations for each environment with

## SESSION DESCRIPTIONS BY TRACK, CONTINUED

different machines and configurations. Delivering your software more frequently and easily to an environment allows you to get feedback on your product faster. Release Manager enables you to model the release processes, track approvals and sign-offs, and display release status graphically

In this session I will show you how you can use Microsoft Release Manager to enable continuous deployment in your (enterprise) organization.

### You will learn:

- What Visual Studio Release Manager is
- How to define environments, roles and release templates
- How to track releases and manual signoffs
- How to hook up your own custom tooling for install
- How to configure continuous deployments straight from your builds

### ■ TH16 Git for the Microsoft Developer – Intermediate

**Eric D. Boyd**

Thursday, May 8

1:30 pm – 2:45 pm

For the longest time I avoided Git, but I was forced into using it on a project, and I fell in love. If you have avoided Git and written it off as something the hipster, open-source kids are doing, you're missing out. Come learn what Git is all about and differences between other popular version control systems like TFS and Subversion. We will walk through how to use Git from the command line and explore the jargon and commands introduced by Git that is likely different from your current version control system. Next, we will take a look at GUI tools that

**"I WAS NEVER BORED WITH THE SPEAKERS. THEY WERE ENGAGING AND INFORMATIVE."**

*Steve McAllister, Bank-A-Count Corp.*

can simplify working with Git and how you can continue to work from Visual Studio and even TFS integrated with Git. We will also consider the various places you can host your Git repository and the Pro's and Con's of each. Lastly, we will consider why Git has a promising future, and we will take a look at the ecosystem that is adopting Git and requiring Git to use their tools.

### You will learn:

- What Git is all about
- How to use Git and an overview of all of the commands and Git jargon
- How to simply use Git with GUI tools and Visual Studio

### ■ TH18 Create Automated Cross Browser Testing of Your Web Applications with Visual Studio CodedUI – Intermediate

**Marcel de Vries**

Thursday, May 8

3:00 pm – 4:15 pm

How well do you test your web application or website? Are you still testing your site manually and does that take a lot of time? Do you find it hard to create and maintain automated tests for web applications? Come to this session!

In this session, I will teach you how you can build cross browser automated test suites using Visual Studio CodedUI and integrate it with Microsoft Test Manager to show you a holistic view of your current sprint in terms of completion and test coverage. I will show you how you can set up your test cases using record & Playback and show you how the CodedUI API works. I will show you how you can build test suites in such a way that they are maintainable by default. For this I will introduce you to the concept of Page Objects that enable us to build SOLID, DRY and DAMP tests.

### You will learn:

- How to use CodedUI to build automated UI test
- How record and Playback automation works and its limitations
- How the CodedUI API and object model works

### ■ TH20 Writing Asynchronous Code Using .NET 4.5 and C# 5.0 – Introductory

**Brian Peek**

Thursday, May 8

3:00 pm – 4:15 pm

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:

- The pros/cons of asynchronous code
- How to write and use asynchronous code in .NET 4.5
- How to maintain a constantly available and responsive user interface



## SESSION DESCRIPTIONS BY TRACK, CONTINUED

### WINDOWS CLIENT

With last year's release of Windows 8.1, adoption of the Windows Runtime (WinRT) is underway. Are you ready to build apps for this new platform? Modern Windows Store apps take advantage of key WinRT features such as Live Tiles, the Charms bar, and push notifications. They are almost certainly integrated with cloud and social services, providing users with experiences that were previously prohibitively difficult to implement. Perhaps more important, these apps run on tablets, ultrabooks, laptops, and desktops so they are available to users almost everywhere. Apps for WinRT can be written with HTML and JavaScript, or XAML and C#/VB .NET, among other options. At Visual Studio Live! Chicago, you'll learn to build modern Windows Store apps, and understand the finer points of WinRT and related cloud services. This track includes coverage of the following:

- What's new in WinRT development
- XAML UX design
- What's new for HTML/WinJS Windows Store apps

#### ■ T01 What's New in WinRT Development – Introductory Rockford Lhotka

Tuesday, May 6 9:15 am – 10:30 am

As Windows 8 matures and Microsoft moves Windows 8 and Windows Phone closer together, the Windows Runtime (WinRT) becomes more and more important as a development platform. With the latest updates to Windows 8 Microsoft continues to evolve toward a rich environment. In this session you will learn what is new and changed in WinRT, and how to leverage these capabilities in your app development efforts.

#### You will learn:

- What is new in WinRT
- What has changed in WinRT
- How to leverage these capabilities in your development efforts

#### ■ T05 XAML Anti-Patterns – Intermediate Ben Dewey

Tuesday, May 6 10:45 am – 12:00 pm

This session will focus on WPF, but the XAML techniques can be applied to all XAML based applications.

XAML is a powerful markup language for creating extremely rich application designs. With power comes great responsibility and structuring an XAML based application can be challenging. In this session, Ben Dewey will help navigate the myriad of options available when laying out the design of an application. He will focus on tips and tricks to follow and pitfalls to avoid. This session will focus on WPF, but the XAML techniques can be applied to all XAML based applications such as Silverlight, Windows Phone, and Windows Store based XAML applications.

#### You will learn:

- Tips for maintaining clean XAML
- Layout tips for responsive XAML based Applications
- Creating modular code with Custom Controls and User Controls

#### ■ T09 Interaction Design Principles and Patterns – Introductory Billy Hollis

Tuesday, May 6 1:30 pm – 2:45 pm

Developers often think "design" means "visual design" and is done by graphic artists. But the real business value is in interaction design – helping users navigate through an application and interact with it in an intuitive and productive fashion. This session will cover some of the most important design principles for productive and clear

user interaction, and show some of the more commonly used interaction patterns in both desktop and mobile applications.

#### You will learn:

- Understanding the difference between visual design and interaction design
- Learning important principles about efficient interaction design, such as Hick's Law and Gestalt Similarity
- Gain an understanding of common interaction patterns for interaction design, which serves as a checklist starting point when doing your own apps

#### ■ T13 Applying UX Design in XAML – Intermediate Billy Hollis

Tuesday, May 6 3:00 pm – 4:15 pm

Modern apps can be written on several UI stacks, but XAML shines as a platform for innovative productive user experience. In this session, you'll see XAML examples of modern application design, with implementations you can take home. You'll see a desktop shell, a mobile search screen, and improved replacements for the infamous "wall of data grids" design. You'll see examples of visualization of data using XAML visual elements, in which raw data is transformed into visuals that the user assimilates quickly and easily. If you work in XAML, don't be satisfied with screens that look like brightly colored Windows Forms – come to this session to see ways you can create more compelling and productive experiences for your users.

#### You will learn:

- See basic XAML techniques for getting the look and feel of a modern app
- Understand options for replacing data grids with better user experiences in XAML, using innovative and advanced data templates
- Learn ways to transform data into user-centric representations using XAML visual elements

## SESSION DESCRIPTIONS BY TRACK, CONTINUED

### ■ T17 WPF Still Alive and Kicking – Intermediate

**Ben Dewey**

Tuesday, May 6

4:45 pm – 6:00 pm

This session will highlight how you can create modern applications using the WPF.

Microsoft has focused a lot of attention around Windows 8 and Windows Store applications, so what about WPF? WPF remains an extremely viable solution for many applications and can be the client of choice for internal Line of Business applications. WPF continues to receive enhancements with every new release of .NET. In this session Ben Dewey will highlight some of these new features and will show how with a few design considerations you can create modern applications using the WPF.

#### You will learn:

- What's new in WPF
- Techniques for creating modern applications in WPF
- Design tips for Modern WPF applications

### ■ W01 Windows 8 HTML/JS Apps for the ASP.NET Developer - Introductory

**Adam Tuliper**

Wednesday, May 7

9:15 am – 10:30 am

As ASP.NET developers we've harnessed the power of HTML, JavaScript, libraries, controls, C#/VB.NET, and more to develop some of the finest applications. Armed with your existing HTML/JavaScript/CSS knowledge, know that your languages are first-class citizens in the Windows 8 world. This talk leads you through the similarities and differences between the platforms, controls, data binding, navigation, and more all to get you up and running quickly to develop your Windows 8 applications. Love your current language too? No problem, we'll cover how to include other managed code in an HTML/JS application as well. Are you considering this technology for your enterprise? We'll cover what the side loading process is

as well for enterprise app loading. We'll talk about other framework integration too such as jQuery and Knockout.

Wondering if the time is right for you to develop a Windows 8 app? Windows 8 currently has a reach of over 140 million installations - each with access to the Store application that is installed by default so let's get started now!

#### You will learn:

- How Windows Store HTML/JS applications are structured
- When and how to use your existing assets in Windows Store projects
- The basics of what WinJS is and when to use it for your code

### ■ W05 Developing Awesome 3D Applications with Unity and C#/JavaScript – Introductory

**Adam Tuliper**

Wednesday, May 7

10:45 am – 12:00 pm

Unity is the premier advanced platform to develop stunning 2D and 3D applications & games for all major desktop and mobile platforms using C# or JavaScript. Microsoft and Unity have partnered together to provide first class support in the Unity platform for Windows 8 and Windows Phone applications for free to the developer, rounding out cross platform support for every major platform. Come learn about the basics of Unity, how it utilizes the .NET Open Source Mono framework, the UI, assets, animations, code in C# and JavaScript, ways to develop, and some simple but powerful 2D/3D application techniques to get up and running fast with Unity.

#### You will learn:

- How to navigate Unity's interface and assign advanced functionality to objects
- How to develop a complete application in Unity
- How to package Unity applications for Microsoft's platforms

### ■ W09 What's New in WPF 4.5 – Introductory / Intermediate

**Walt Ritscher**

Wednesday, May 7

1:30 pm – 2:45 pm

WPF is the go-to UI tool for building stunning, interactive Windows desktop application. Sure, HTML 5 and Windows Store Apps (aka Metro) get most of the publicity nowadays, but corporate developers across the world are quietly building impressive LOB apps with WPF.

Microsoft implemented a lot of new features in WPF 4.5. Join me for an information packed session showcasing these improved features.

#### You will learn:

- See the binding improvements added to the API
- How to use the new Async APIs and learn the threading improvements
- About the Live Shaping for list data

### ■ W13 Implementing M-V-VM (Model-View-View Model) for WPF – Intermediate

**Philip Japikse**

Wednesday, May 7

3:00 pm – 4:15 pm

Now you are writing WPF applications, and wondering what is all this code in the code behind? Shouldn't we be doing something different? Our cousins working with ASP.NET MVC don't even have a code behind! The answer is YES you should indeed be doing it differently. Which of the (seemingly) thousands of MVVM projects should I use? The M-V-VM pattern is the WPF adaptation of the Presentation Model pattern (first documented by Martin Fowler). I will show how the M-V-VM pattern is utilized in WPF for building SOLID WPF applications that are testable, reusable, and maintainable.

#### You will learn:

- The MVVM Pattern
- Why the MVVM pattern is useful and how it helps
- Features of WPF that need to be utilized for MVVM implementation

**SESSION DESCRIPTIONS BY TRACK, CONTINUED**

**W17 Build Maintainable Windows Store Apps with MVVM and Prism – Intermediate**

**Brian Noyes**

Wednesday, May 7

4:30 pm – 5:45 pm

The Model-View-ViewModel (MVVM) pattern has been popular for a while in XAML technologies as a way of separating concerns in your client code, but applying it on the WinRT platform for Windows 8 apps requires you to integrate properly with new platform features such as navigation and application lifecycle that are quite different than WPF or Silverlight. In this session you will get a quick review of the fundamentals of MVVM, you'll see how to structure your Windows Store app with MVVM, and you'll see how to keep the logic that drives navigation and state management in your view models where it belongs. You'll learn what you need to implement the pattern on your own, and then you will see how to leverage the Microsoft Prism for Windows Runtime guidance from patterns & practices to accelerate your implementation using these patterns.

**You will learn:**

- How to integrate the MVVM pattern on the WinRT platform
- How to manage navigation and application state management in your ViewModels
- How to leverage Prism for Windows Runtime to implement MVVM on WinRT



**CLOUD COMPUTING**

A growing number of IT practitioners believe the future of application development is service-based and in the cloud. Cloud computing offers flexible scalability and can provide a less expensive way to host many applications. Even if you aren't ready for Windows Azure yet, you owe it to yourself to become familiar with cloud computing and the services approach to development. This track includes coverage of the following:

- Introduction to Windows Azure
- Windows Azure Mobile Services
- Windows Azure Web Sites (WAWS)
- Windows Azure SQL Database

**T04 Introduction to Windows Azure – Introductory**

**Vishwas Lele**

Tuesday, May 6

9:15 am – 10:30 am

Windows Azure is Microsoft's application platform for the public cloud. You can use this platform in many different ways. For instance, you can use Windows Azure to build a web application that runs and stores its data in Windows Azure datacenters. You can use Windows Azure to create virtual machines for development and test or to run SharePoint and other applications. You can use Windows Azure just to store data, with the applications that use this data running on-premises (that is, outside the public cloud). You can use Windows Azure to build massively scalable applications with lots and lots of users. In this session we will go over many of such practical examples that can help you get started with Windows Azure. No prior experience in Windows Azure is needed.

**You will learn:**

- Introduction to Cloud Computing
- Overview of Windows Azure Platform (including latest enhancements in VS 2013)
- Real world applications of Windows Azure

**T08 Loosely Coupled Applications with Service Bus and Document-centric Data Stores – Introductory to Intermediate**

**Vishwas Lele**

Tuesday, May 6

10:45 am – 12:00 pm

In this session, we will look at Service Bus and schema-less document centric stores as a way to realize a loosely coupled system.

Hopefully we can all agree that "loose coupling" is a good thing when it comes to software design. The benefits are obvious, we can change, remove or add parts with minimal impact to the rest of the application. In this session, we will look at Service Bus and schema-less document centric stores as a way to realize a loosely coupled system.

**T12 Windows Azure SQL Database – SQL Server in the Cloud – Intermediate**

**Leonard Lobel**

Tuesday, May 6

1:30 pm – 2:45 pm

This session will get you ramped up quickly on SQL Database – the Windows Azure version of SQL Server. Lenni will start from square one: signing up for a Microsoft account and Windows Azure subscription. From there, you'll learn how to leverage a host of tools to connect with SQL Database, including the Windows Azure and SQL Database management portals, SQL Server Management Studio (SSMS), SQL Server Data Tools (SSDT), PowerShell, and the Management REST API.

After covering setup and configuration, you'll learn about the SQL Database pricing structure. We'll then cover the

## SESSION DESCRIPTIONS BY TRACK, CONTINUED

most pressing cloud concerns with SQL Database, including data migration, security, and backup, as well as other topics, including synchronization with SQL Data Sync and reporting with SQL Server Reporting Services (SSRS) on a Windows Azure VM. We'll conclude by discussing important differences between SQL Database and SQL Server. Attend this session and get working with SQL Database today!

### You will learn:

- Setup and configure SQL Database
- Learn about SQL Database pricing, migration, security, backup, synchronization, and reporting
- Understand the differences between SQL Database and SQL Server

### ■ T16 Solving Security and Compliance Challenges with Hybrid Clouds – Intermediate

**Eric D. Boyd**

Tuesday, May 6

3:00 pm – 4:15 pm

When considering public clouds, many industries and companies have concerns about security, intellectual property and regulatory compliance challenges. The good news is a hybrid cloud can often solve these challenges. In this session, Eric D. Boyd will teach you how to use Windows Azure securely and protect sensitive information and achieve regulatory and compliance mandates, like PCI compliance, by combining on-premise data centers and private clouds with the Windows Azure public cloud. There are a number of ways to achieve this using messaging and networking technologies and during this presentation Eric will walk through the options and provide you with guidance on when to choose each.

### You will learn:

- How to use the Public Cloud while paying attention to security and compliance
- Hybrid Cloud scenarios and the technology that enables them
- How to analyze your scenario and choose and appropriate Hybrid technology

### ■ TH05 Zero to Connected with Windows Azure Mobile Services – Introductory / Intermediate

**Brian Noyes**

Thursday, May 8

9:30 am – 10:45 am

Windows Azure Mobile Services (WAMS) providing an amazing productivity booster for getting simple cloud-connected mobile applications up and running on multiple client platforms in minimal time and effort. In this session you will learn how to implement mobile services that support simple data access, authentication and authorization, and push notification to your mobile clients on iOS, Windows Phone, Windows 8, .NET, JavaScript and Android clients. You will learn how to setup and enable the basics in minutes, as well as how to use the server scripting capabilities to integrate with other data sources and services and perform server validation logic and authorization. You'll also learn what the limitations of WAMS are and how you can move beyond them if you need to.

### You will learn:

- Where and when the use of Windows Azure Mobile Services is appropriate
- How to set up and configure Mobile Services
- How to use CRUD services, authentication, notifications, and custom Web API features of Mobile Services

### ■ TH09 Building Services with ASP.NET MVC Web API Deep Dive – Intermediate

**Marcel de Vries**

Thursday, May 8

11:00 am – 12:15 pm

ASP.NET MVC provides a technology called web API. Web API is designed to build services leveraging the fundamental concepts of the HTTP protocol better known as REST. In this session I will start with an overview of HTTP and REST fundamentals and show you how you can build services that leverage those concepts. I will show

two distinct approaches in building services, one for reach and as close as possible to REST (a.k.a RESTful). After we know how to build services in different styles I will show you how Web API can be changed and extended in its behavior using the HTTPConfiguration, change dependency resolving and building your own MediaType Formatters. After attending this session you'll know all you need to know about ASP.NET MVC Web API.

### You will learn:

- Understand the architecture of ASP.NET WebAPI
- How to build a REST service
- The difference between REST and RESTful API's
- How to extend WebAPI

### ■ TH13 Beyond Hello World: A Practical Introduction to Node.js on Windows Azure Websites – Introductory

**Rick Garibay**

Thursday, May 8

1:30 pm – 2:45 pm

From simple, utilitarian services that take those long, cumbersome URLs and shorten them into a shorter link for embedding in Twitter, to novelty services that allow you to personalize and track clicks for measuring impressions, there are no shortage of URL shortening services today on the web.

While the APIs and user experience for these services are very simple, have you ever wondered about the design considerations and capabilities required? For instance, the ability to quickly generate a unique URI, manage state of the URI resource, including capturing clicks, timestamps, etc. while scaling to potentially hundreds if not thousands of concurrent requests requires some thought.

In this talk, we'll look at why Node.js is the perfect framework for building a fast, slick little URL shortening service that is easy to maintain and scales really well on the web. We'll look at how easy it is to get up and running with free Windows Azure Websites along with persistence options and who knows, we might just write the next killer URL shortening service!



## SESSION DESCRIPTIONS BY TRACK, CONTINUED

### You will learn:

- What Node.js is all about
- Good applications for Node.js (and those to avoid)
- A pragmatic example of how to apply Node.js for building a highly scalable, but simple API on Windows Azure Websites

### ■ TH17 From the Internet of Things to Intelligent Systems: A Developer's Primer – Introductory

**Rick Garibay**

Thursday, May 8

3:00 pm – 4:15 pm

Analysts predict that there will be 24 billion Internet connected devices by 2020. Imagine every device as an object that is capable of communicating with one another and other systems to handle simple tasks like tracking your weight to being able to close your garage door when you forget on your way to work.

The Internet of Things is here, and there is a whole new breed of intelligent systems that have the potential to be bigger than mobility and the cloud combined. Join 6-time Microsoft MVP Rick G. Garibay for a fun and interesting session in which you'll learn what the IoT is all about and how the marriage of cloud capabilities like Windows Azure Service Bus and devices like Arduino and Netduino enable you to start building intelligent systems today while innovating for tomorrow.

### You will learn:

- What IoT is all about
- How Intelligent Systems takes IoT and applies business relevance
- Fun devices and boards available on the cheap
- The Messaging and Analytics side to IoT

### "IT'S A TECHNICAL DISNEY WORLD."

Travis Baker, Tarrant County

## WINDOWS PHONE

Windows Phone (WP) now has more than 150,000 apps in its marketplace. Microsoft's acquisition of Nokia's Windows Phone business demonstrates their commitment to the platform. This track includes coverage of:

- Getting started with WP
- Developing apps with Microsoft App Studio

### ■ W14 Getting Started with Windows Phone Development –

**Nick Landry**

Wednesday, May 7

3:00 pm – 4:15 pm

This session is your fast track into the new wonderful world of Windows Phone development. Come learn how your valuable .NET and Silverlight skills now make you a hot mobile developer. We'll perform a quick lap around Microsoft Visual Studio and the Windows Phone SDK, build our first app using XAML & C#, and debug it with the Windows Phone Emulator. We'll then explore the various Windows Phone SDK services and features, such as touch gestures, accelerometers, Live Tiles, speech, location & maps, and more. We'll also explore various toolkits and frameworks available to you for free to augment your development experience and productivity. It's time to drop that "other" phone. Pick-up a phone you will actually enjoy coding for. If you've waited this long to jump on board the mobility bandwagon, wait no more: This is the mobile platform you always wanted!

### You will learn:

- The basics of the Windows Phone SDK, how to get started in mobile development and the available tools, including the emulator
- How to design a Windows Phone user interface with XAML in Visual Studio, which controls are available, how to extend the controls toolbox, and more
- About Windows Phone specific development features

like touch gestures, accelerometers, Live Tiles, speech, notifications, location, mobile data access and more

### ■ W18 Build Your First Mobile App in 1 Hour with Microsoft App Studio – Introductory / Intermediate

**Nick Landry**

Wednesday, May 7

4:30 pm – 5:45 pm

Microsoft App Studio is an innovative new tool to design and build a starter app for Windows Phone without writing any code. Whether you're a mobile development neophyte or a savvy developer filled with great ideas but not enough time to prototype them, App Studio can help you get started by building the core of your application using multiple page templates and data sources, such as RSS feeds, YouTube videos, Flickr photos, HTML content, custom collections and more. In this session, we'll build a live & working Windows Phone app on the fly, exploring the various options of App Studio. We'll then generate the source code and dive into Visual Studio to understand the various parts produced by App Studio and how to extend them. We'll discuss how to add custom features to the starter app, turning our prototype into a real-world app. Lastly, we'll go over what's involved to get the app published, how the submission process works, and where to take your app from there. If you still haven't published any mobile apps, it doesn't get any easier than with App Studio. Come learn how to get from "Idea" to "Publish" in just a few hours.

### You will learn:

- How to build a starter mobile app for Windows Phone using Microsoft App Studio
- The basics of the Windows Phone SDK, how to get started in mobile development and the available tools, including the emulator
- How to extend your starter Windows Phone app from App Studio by diving into the generated source code in Visual Studio

**SESSION DESCRIPTIONS BY TRACK, CONTINUED**

**CROSS-PLATFORM MOBILE DEVELOPMENT**

Mobile clients are becoming a common vehicle to allow users' interaction 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:

- Using Xamarin tools to leverage your C# code on iOS and Android
- Creating mobile Web apps with ASP.NET MVC and jQuery Mobile
- Using Push Notification Services across mobile platforms

**W02 Creating Data-Driven Mobile Web Apps with ASP.NET MVC and jQuery Mobile – Introductory**

**Rachel Appel**

Wednesday, May 7

9:15 am – 10:30 am

If you are creating new apps, or need to update your existing apps, jQuery Mobile is the way to most easily develop solutions that meet the needs of the ever increasing audience of the mobile market. jQuery Mobile provides a lightweight, cross platform, framework, for developing mobile web sites and applications. In this session you will learn what you need to get started writing data-driven mobile web applications in Visual Studio with ASP.NET MVC, as well as how to integrate jQuery Mobile into current ASP.NET applications.

**You will learn:**

- ASP.NET MVC refresher
- Mobile development strategies
- How to use jQuery Mobile in MVC

**W06 Getting Started with Xamarin – Introductory**

**Walt Ritscher**

Wednesday, May 7

10:45 am – 12:00 pm

Xamarin is quickly becoming the go-to platform for C# developers who want to build cross platform native apps that run on iOS, Android, Mac and Windows devices. You work with familiar .NET libraries when they suit the application needs. But you also get access to the native API's for each platform when necessary. This introductory session shows how easy it is to start working with Xamarin projects.

**You will learn:**

- How to make shared codebase for apps running on iOS, Mac, Windows and Android platforms
- The differences between Xamarin Studio and Visual Studio
- How to start making Xamarin based applications

**W10 Building Multi-Platform Mobile Apps with Push Notifications – Intermediate / Advanced**

**Nick Landry**

Wednesday, May 7

1:30 pm – 2:45 pm

The best mobile applications don't live in a vacuum. They are augmented by dedicated servers, the Internet and Cloud services. While it's one thing to reach out to server-side services from a mobile application, it's a completely different affair when the tables are turned and the server needs to reach the phone. Enter push notifications. From iOS to Android, Windows Phone and Windows 8, discover how to send push notifications from cloud-hosted services to a mobile app running on a tablet or phone, and learn how to handle those alerts in your mobile app. We'll discuss the various push notification services from Microsoft, Apple and Google, how to leverage them in your mobile applications, how to deal with push scenarios for any given multi-platform app, and we'll also look at platform-specific notifications, like scheduled alerts on iOS and Live Tiles on Windows Phone and Windows 8. The live demos will

include a variety of iOS and Windows Phone apps, and also include technical details about Android and Windows 8.

**You will learn:**

- About the common consumer and enterprise scenarios where mobile applications need to receive notifications and alerts from servers or cloud services
- Send push notifications from cloud applications in Windows Azure to mobile applications on various platforms
- How to build mobile apps for on Windows Phone, Windows 8 or iOS that can receive and handle push notifications

**ASP.NET**

Microsoft continues to put a lot of investment into improving ASP.NET. Now with the "One ASP.NET" initiative ASP.NET allows you to create Web sites that leverage Web Forms, MVC, and the Web API, as needed, to meet your application requirements. This track includes:

- New Web development features in Visual Studio 2013
- ASP.NET MVC 5
- ASP.NET Web API 2
- OWIN and Katana: the new HTTP host model

**T10 What's New for Web Developers in Visual Studio this Year? – Intermediate**

**Mads Kristensen**

Tuesday, May 6

1:30 pm – 2:45 pm

Visual Studio and Web Essentials introduces a series of new and exciting features for web developers. Join Mads as he takes you through a deep dive filled with demos, insights and background.

You will learn how to take full advantage of Visual Studio and the extensions that are available.

## SESSION DESCRIPTIONS BY TRACK, CONTINUED

### ■ T14 Why Browser Link Changes Things, and How You Can Write Extensions? – *Intermediate / Advanced*

**Mads Kristensen**

Tuesday, May 6

3:00 pm – 4:15 pm

Browser Link combines Visual Studio with any browser to create a common ecosystem. The implications of this are enormous and open up new and exciting possibilities. Mads will take an in-depth look at Browser Link and show how easy it is to create extensions for this new ecosystem.

You will learn about the possibilities of Browser Link and how to build extensions for it.

### ■ T18 Katana, OWIN, and Other Awesome Codenames: What's coming? – *Intermediate*

**Howard Dierking**

Tuesday, May 6

4:45 pm – 6:00 pm

In the age of cloud computing, applications must be able to be quickly composed and even more quickly evolved. Large, monolithic frameworks are not able to meet the demands of ever-growing needs for functional diversity and release agility. The OWIN specification and Microsoft's set of OWIN components (the Katana Project) seek to provide a solution to this challenge by creating an ecosystem of small, pluggable components built around a lightweight server abstraction. In this session, we'll review the fundamentals principles of OWIN and demonstrate building a modern Web application using the Katana components.

#### You will learn:

- The relationship between OWIN, the Katana project, and the broader ecosystem of OWIN components
- To use the Katana components to construct a modern Web application
- To construct custom OWIN middleware components

### ■ TH03 What's New in MVC 5 – *Intermediate*

**Miguel Castro**

Thursday, May 8

8:00 am – 9:15 am

Well it's that time again where we get another new release from Microsoft on a series of platforms. Happily, the particular platform I'm talking about here is one that just keeps getting better and better, ASP.NET MVC. For the most part, the code you write is not changing so fear not, but there are some pretty cool additions I want to talk to you about; among which are Katana/Owin, Bootstrap, Security features, Scaffolding, and my favorite feature of all, Attribute Routing. So join me and let's see stir the pot of web development, yet again!

#### You will learn:

- What's changed and what's new with MVC 5
- Dev Techniques for using new features

### ■ TH07 What's New in Web API 2 – *Introductory / Intermediate*

**Miguel Castro**

Thursday, May 8

9:30 am – 10:45 am

Well if you thought you had new stuff to learn with MVC 5, you're not done learning if you're also a Web API developer. But as in the case with MVC, the new Web API 2 stuff includes welcome additions like External Authentication, Katana hosting, and the most-awesome Attribute Routing. And if you're into OData, there are also some new options to help shape your responses even further. Whether you think Web API is "Restful" or not, it's still totally cool and a must-know for any developer today, and part 2 makes it even better.

#### You will learn:

- What's changed and what's new with Web API 2
- Dev Techniques for using new features

### ■ TH11 Upgrading Your Existing ASP.NET Apps – *Intermediate*

**Pranav Rastogi**

Thursday, May 8

11:00 am – 12:15 pm

Have you even been stuck in a situation where you want to upgrade your ASP.NET applications to newest version? Have you tried opening old ASP.NET application in newer versions

of Visual Studio? Have you tried to migrate your database forward to use a new membership system? Join me as I share my experiences in upgrading ASP.NET applications.

### ■ TH15 Finding and Consuming Public Data APIs – *Introductory / Intermediate*

**G. Andrew Duthie**

Thursday, May 8

1:30 pm – 2:45 pm

The computing world is rapidly growing, and one of the fastest areas of growth is in publicly-available APIs. These APIs can offer data, access to service functionality, and more, and many of them are available free of charge, including an increasing number of government data sources.

Leveraging publicly-available APIs can help you add value to your existing web properties, and/or quickly build apps with value to potential customers. In this session, you'll see steps for discovering and evaluating public APIs, and also learn how you can consume these APIs, both from a web application context, as well as from a Windows Store app using HTML and JavaScript.

#### You will learn:

- How to discover useful public APIs
- How to evaluate APIs
- How to build web sites and apps around public APIs

### ■ TH19 Provide Value to Customers and Enhance Site Stickiness by Creating an API – *Introductory / Intermediate*

**G. Andrew Duthie**

Thursday, May 8

3:00 pm – 4:15 pm

Whether you have an existing web property, or an idea for the next great cloud service, having an available API can be of great value. An API can enhance the value of your brand, by allowing third parties to build apps and widgets on top of your data and services, and can help drive additional traffic to your site or service, potentially enhancing its value to advertisers, or offering additional monetization options.

## SESSION DESCRIPTIONS BY TRACK, CONTINUED

In this session, you'll learn a variety of options for creating public APIs using the Microsoft ASP.NET stack, including WCF Data Services, ASP.NET Web API, and Windows Azure Mobile Services, including the advantages and disadvantages of each approach, as well as how to approach API design at a high level. You'll also learn about what these different options offer in terms of client access and cross-platform development.

### You will learn:

- Why APIs are important to your web properties
- About designing useful APIs
- How to build APIs with a variety of different tools

## JAVASCRIPT / HTML5 CLIENT

HTML5 is the standard for Web site and Web app UI design and implementation; JavaScript is not just the programming language for these environments, but across client and server development contexts as well. Combining the new HTML markup with powerful new CSS and JavaScript capabilities allows client-side Web developers to create rich and compelling experiences for users. This track includes:

- HTML5, JavaScript, and CSS 3
- Single Page Applications (SPAs)
- Angular, Knockout, and TypeScript
- ASP.NET SignalR

**"LEARNING WINDOWS 8 AND HTML5 NEW TECHNOLOGY HELPS IMPROVE MY SKILL AND KNOWLEDGE."**

Alan Tang  
TTX Company

### ■ T03 HTML5 for Better Web Sites – Intermediate

Robert Boedigheimer

Tuesday, May 6

9:15 am – 10:30 am

The latest version of HTML is not completely standardized yet, but there are parts that are available in the latest version of browsers. There are many new elements; including those that provide more semantic meaning to common div elements (like header, footer, etc.). A new canvas can be used for drawing, while the audio and video provide new multimedia capabilities. New input types are utilized by devices to provide context sensitive keyboards and improved usability. The new application caching and web storage provide the capability for disconnected web sites for smartphones and tablets. Learn about support for HTML5 in major browsers, and see how Modernizr can provide feature detection and smooth fallbacks via various polyfills.

### You will learn:

- New elements
- New input types
- Modernizr and polyfills for older browsers

### ■ T07 Great User Experiences with CSS 3 – Intermediate

Robert Boedigheimer

Tuesday, May 6

10:45 am – 12:00 pm

CSS 3 provides many new features such as rounded corners, opacity, rgba, web fonts, transitions, transforms, box shadows, multiple background images, and much more. Review what current browser support is for CSS 3, and learn how to provide support in older browsers. Learn about vendor prefixes, why they are used, and a strategy to utilize them while preparing for the future standardized versions. Discover how media queries have been expanded to provide a foundation for responsive web design and multi device support.

### You will learn:

- How to add style to existing pages
- How to use transitions and transformations for a more dynamic site

- Vendor prefixes (and strategies)
- Media queries and multi device support

### ■ T11 Build Angular Applications Using TypeScript – Part 1 – Introductory / Intermediate

Sergey Barskiy

Tuesday, May 6

1:30 pm – 2:45 pm

This session will lay groundwork to building Angular JS based applications with TypeScript. We will talk about the philosophy behind Angular and cover key components that are part of Angular API. We will talk about TypeScript as a language and will learn the basics and advantages of this JavaScript extension language.

### You will learn:

- The basics of TypeScript
- Components and design guidelines for Angular
- About client side testing

### ■ T15 Build Angular Applications Using TypeScript – Part 2 – Intermediate

Sergey Barskiy

Tuesday, May 6

3:00 pm – 4:15 pm

In this session we will build on knowledge acquired in Build Angular applications using TypeScript - Part 1. We will build a small application step by step, using ASP.NET MVC to create a shell page. We will create Web API classes using Entity Framework code first to supply the data; create views for our UI, services, controllers and widgets; and we will see how Angular navigation works. We will also unit test(s) for our TypeScript code.

### You will learn:

- How to build an Angular JS based application with TypeScript step by step
- See Angular components in action
- Understand testing options with Jasmine

**SESSION DESCRIPTIONS BY TRACK, CONTINUED**

**■ T19 Building Real Time Applications with ASP.NET SignalR – Introductory / Intermediate**

**Rachel Appel**

Tuesday, May 6

4:45 pm – 6:00 pm

Do you need to push around highly responsive, fast moving, real time data, that serves both web and app clients? If so, then ASP.NET's SignalR is for you! SignalR allows you to build supercharged and super connected systems faster and easier than ever before. In this session, you'll learn how to build real time connected systems using the latest technologies from the Microsoft stack: ASP.NET MVC, SignalR, and open web technology.

**You will learn:**

- Strategies for developing real time apps
- How to use SignalR to develop real time apps
- Web technologies for high performance

**■ W07 JavaScript for the C# Developer – Intermediate**

**Philip Japikse**

Wednesday, May 7

10:45 am – 12:00 pm

Yes, it has curly braces. Yes, it has semi colons. And you can write C# like code in JavaScript. But should you? JavaScript programming has many paradigms that make it very different that writing typical managed code. In this session, Phil shows you, the C# programmer, what you need to know to take your JavaScript to the next level.

**You will learn:**

- Core features in JavaScript
- Important differences between JavaScript and C#
- Key similarities in JavaScript and C#

**"I REALLY ENJOYED HEARING FROM THE SPEAKERS. THEY WERE PERSONABLE, KNOWLEDGEABLE AND STRAIGHT FORWARD WITH THEIR OPINIONS."**

Michael Berth, Integrys

**■ W11 Build Data-Centric HTML5 Single Page Applications with Breeze – Introductory / Intermediate**

**Brian Noyes**

Wednesday, May 7

1:30 pm – 2:45 pm

BreezeJS is a Javascript library that lets you easily retrieve and update data via Web APIs or OData services. In this session you will learn how Breeze can help you with your data-bound HTML UIs to execute rich queries from the client, load and cache the retrieved data, work with it on the client side, validate changes, and save changes back to the server side. You will see how you can integrate Breeze with client separation patterns like MVVM and MVC and integrate with data binding libraries including Knockout and Angular.

**You will learn:**

- How to issue rich client queries that execute server side with Breeze
- How to leverage caching, change tracking, and validation on the client side data model with Breeze
- How to persist changes to the back end via Breeze service calls

**■ W15 Knocking it Out of the Park, with Knockout.JS – Intermediate**

**Miguel Castro**

Wednesday, May 7

3:00 pm – 4:15 pm

MVVM on the web... that works! If you don't know what Knockout.JS is, you really need to come see me show you the what's, how's, and why's. Knockout.JS lets you do real MVVM on your HTML. I'm talking about real two-way binding. And with the help of Web API and Ajax, you can overcome any shortcoming that cannot be totally handled on the client. So come see me and let's add another great tool to your web arsenal. You'll be on your way to doing single-page-applications on the web in no time.

**You will learn:**

- MVVM in the web world
- Knockout.JS in ASP.NET MVC
- How to Integrate Web API with Knockout.JS

**■ W19 JavaScript: Turtles, All the Way Down – Introductory / Intermediate**

**Ted Neward**

Wednesday, May 7

4:30 pm – 5:45 pm

With the prevalence of JavaScript as both a development language and as a "transpiling" target (where to "transpile" something is to compile it from one language into another), it has become possible to write a modern application—client, server and even code residing in the database itself—in nothing but JavaScript. In this session, that's exactly what we'll do: examine the tools, techniques, and tradeoffs of building an application in JavaScript, top to bottom.

**You will learn:**

- New tools for building applications
- A better understanding for when JavaScript-based approaches are appropriate and superior, and when they're not

**SHAREPOINT**

While SharePoint development is a specialty in and of itself, understanding the new SharePoint application development model is highly valuable for any .NET developer. Visual Studio Live! Chicago includes an overview session on this developer model, keeping our attendees in the know.

**■ TH01 Best Practices: Building Apps for SharePoint 2013 – Introductory / Intermediate**

**Mark Michaelis**

Thursday, May 8

8:00 am – 9:15 am

SharePoint 2013 development leverages the JavaScript, HTML5, and CSS platform to provide a new extensibility model that is entirely hosted outside of SharePoint itself. The SharePoint 2013 architecture allows the on premise or Office 365 instance of SharePoint Server to seamlessly present content both in the cloud or on premise - enabling the portal to pull content from both simultaneously without replication.

## SESSION DESCRIPTIONS BY TRACK, CONTINUED

Attend this session to jump to the next level of Apps for SharePoint development with best practices and technology/framework choices. Whether you have an existing SAAS application or you are looking to extend SharePoint 2013 with additional functionality, attend this session to learn how to develop Apps for SharePoint 2013.

### You will learn:

- About the entirely new development platform that is available with SharePoint 2013 and how to leverage it for all new SharePoint development going forward
- About the different architecture decisions that go into building an App for SharePoint

## SQL SERVER

With the ink still drying on SQL Server 2012, and SQL Server 2014 on the way, no Microsoft-focused developer conference would be complete without coverage of Microsoft's venerable database platform. Visual Studio Live! meets this need handsomely, with coverage of:

- T-SQL enhancements in SQL Server 2012
- SQL Server 2014 features
- Power BI and HDInsight/Big Data
- NoSQL

### ■ T20 Learning Entity Framework 6 – Intermediate

**Leonard Lobel**

Tuesday, May 6

4:45 pm – 6:00 pm

Microsoft has clearly positioned the Entity Framework 6 (EF) as the primary data access platform for .NET applications. But many developers have yet to embrace the powerful Object Relational Mapping (ORM) capabilities that EF offers. Whether you're new to ORM, or you've dabbled in other ORM technologies, Lenni will show how

quickly you can start working with EF6 and boost your productivity when building data-centric .NET applications.

We'll begin with a quick introduction to ORM and EF, and then explain many of the special ORM features in EF6, such as the Entity Data Model (EDM), and support for table splitting, inheritance, entity splitting, and many-to-many relationships. With the basics covered, Lenni will then dive right into live demos that show what EF can do for you as a data access layer, using database-first, model-first, and code-first approaches. We'll also discuss new features introduced in EF6, and wrap up with a demo of WCF Data Services, which exposes your entities as REST services over the web with virtually no effort.

### You will learn:

- Understand the purpose and benefits of ORM
- Learn about the Entity Data Model (EDM)
- Leverage WCF Data Services over your EDM

### ■ W04 Programming the T-SQL Enhancements in SQL Server 2012 – Intermediate

**Leonard Lobel**

Wednesday, May 7

9:15 am – 10:30 am

In this informative and demo-packed session, Lenni will guide you through the T-SQL enhancements in the very latest release of SQL Server. We'll dive into powerful new windowing enhancements with the OVER clause, new T-SQL functions (all 22 of them!), improved error handling with THROW, server-side paging with OFFSET/FETCH NEXT, sequence generators, rich metadata discovery techniques, and contained databases. If you want to learn the new T-SQL enhancements in SQL Server 2012, you won't want to miss out on this session!

### You will learn:

- New T-SQL features in SQL Server 2012
- Examine 22 new T-SQL functions, including 8 new analytic windowing functions
- Explore OVER, THROW, OFFSET, metadata discovery, and contained databases

### ■ W08 SQL Server 2014: Features Drill-down – Intermediate

**Scott Klein**

Wednesday, May 7

10:45 am – 12:00 pm

Microsoft SQL Server 2014 builds on the mission-critical capabilities delivered in the prior release by providing breakthrough performance, increased availability and manageability for mission critical applications. With new in-memory capabilities, enhanced in-memory data warehousing and BI features [updateable column store], SQL Server 2014 provides the most comprehensive in-memory database solution in the market. You will also learn about new capabilities in management and deployment to Windows Azure, enabling new Hybrid IT and HA/DR scenarios. Join this session for a deep dive into the features and learn how to implement these capabilities.

### You will learn:

- The new key SQL Server 2014 features
- New PowerBI and Hybrid features and scenarios
- How you can be a better DBA with SQL Server 2014

### ■ W12 SQL Server 2014 In-memory OLTP – Deep Dive – Intermediate / Advanced

**Scott Klein**

Wednesday, May 7

1:30 pm – 2:45 pm

SQL Server's new In-Memory OLTP technology (codenamed 'Hekaton') promises to be one of the most exciting new features to be released when SQL Server 2014 ships. As a DBA you will have a number of questions surrounds its internals, how it should be administered and how it will impact your high-availability design. In this demo-filled session we will discuss Hekaton from a DBA perspective. We will look at Hekaton's architecture and internals, capacity planning considerations, administration considerations and how it impacts your high-availability design. He will also present some use cases and examples of where Hekaton can be used.

## SESSION DESCRIPTIONS BY TRACK, CONTINUED

### You will learn:

- The architecture of memory optimization
- How in-memory is integrated into SQL Server
- The inside-look on how to use in-memory OLTP
- How to work with the new lock-free transaction semantics
- Manageability and supportability of in-memory OLTP

### ■ W16 NoSQL for the SQL Guy – Introductory / Intermediate

Ted Neward

Wednesday, May 7

3:00 pm – 4:15 pm

Heard about this 'NoSQL' thing but aren't really sure what it means, and worse, you're getting conflicting answers? If you're a developer who's been spending all of his professional data storage days in the relational world, hearing about databases that are 'schemaless' and 'dynamic' and 'nonrelational' may seem like a step backwards, leaving you to wonder what the big deal is. In this talk, we'll go over a bunch of the different NoSQLs, why they're different from the RDBMS, and more importantly, what they're good for and why you should spend (a little) time learning how to use and develop to them.

### ■ W20 SQL Server Data Tools – Intermediate

Leonard Lobel

Wednesday, May 7

4:30pm - 5:45pm

Don't miss this demo-centric session on the new generation of database tools for application developers!

With the release of SQL Server 2012, the new SQL Server Data Tools (SSDT) is now 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 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 developer-specific 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 new generation of database tools for application developers!

### You will learn:

- The declarative model-based approach used in the new 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

### ■ TH04 Excel, Power BI and You: An Analytics Superhub – Intermediate

Andrew Brust

Thursday, May 8

8:00 am – 9:15 am

With Microsoft's announcement of its "Power BI" self-service cloud Business Intelligence offering, Excel steps into the BI mainstream. The combination of the Excel 2013 Data Model, Power Pivot, Power View, Power Query (formerly "Data Explorer") and Power Map (formerly "GeoFlow") means the ability to do serious, sophisticated analytics in Excel is here, right now. In this session, we'll look at the analytics capabilities in the core Excel product and the aforementioned add-ins, as well as investigate how to use these tools together. We'll also see how to

extend these capabilities into Office 365 and the Windows 8 modern app environment with Power BI.

### You will learn:

- About the Excel Data Model and the BI Semantic Model
- The four Excel analytics add-ins: Power Pivot, Power View, Power Query and Power Map
- Publishing your Excel analytics to SharePoint and Office 365

### ■ TH08 Big Data 101 with HDInsight – Intermediate

Andrew Brust

Thursday, May 8

9:30 am – 10:45 am

HDInsight is the name of Microsoft's distribution of Apache Hadoop, the essential and defining technology of the Big Data world. HDInsight runs in the cloud on Windows Azure, and yet provides an environment that users of other Hadoop distributions will find familiar and quickly useable.

But what is "Big Data," really? And why in the world would Microsoft embrace Hadoop, an open source technology, written in Java that customarily runs on clusters of Linux servers? In this session, Microsoft BI expert and ZDNet Big Data blogger Andrew Brust will explain what Big Data is all about and how Hadoop works. He will highlight its advantages and disadvantages and introduce you to HDInsight. Andrew will also discuss HDInsight's developer tools, demonstrate relevant Microsoft BI tools and show how they work with HDInsight. Most importantly, you'll learn how developers with relational database skills can make the jump into this exciting and opportunity-filled area.

### You will learn:

- What Big Data really is, in a beyond-the-hype context
- About Microsoft HDInsight, its .NET SDK for Hadoop, and LINQ Provider for Apache Hive
- How Microsoft's newest BI technologies work
- Understand how SQL Server Parallel Data Warehouse's PolyBase technology integrates with Hadoop and SQL Server

## CONFERENCE SPEAKERS

### ADVISORY BOARD

#### Andrew Brust

Founder and CEO, Blue Badge Insights  
Visual Studio Live! Conference Co-Chair



Andrew J. Brust is Founder and CEO of Blue Badge Insights and writes a blog for ZDNet called "Big on Data". (<http://www.zdnet.com/blog/big-data>). Blue Badge Insights provides strategy and advisory services to Microsoft customers and partners. The company derives from Andrew's background in application software development dating back to 1985, and his industry expertise in Microsoft technologies like .NET, SQL Server and Analysis Services. Andrew is co-author of "Programming Microsoft SQL Server 2012" (Microsoft Press); an advisor to NYTECH, the New York Technology Council; serves as Microsoft Regional Director and MVP; is conference co-chair of Visual Studio Live!; and writes Visual Studio Magazine's "Redmond Review" column.

#### Michael Desmond

Editor in Chief, MSDN Magazine



Michael Desmond is editor in chief of MSDN Magazine, Microsoft's flagship publication for software developers working with Microsoft tools and technologies. A 20-year veteran in IT and technology publishing, Desmond was an editor at PC World magazine for six years before launching an editorial consultancy that did work for leading technology firms like IBM, Intel and Sun Microsystems.

#### Rockford Lhotka

CTO, Magenic  
Visual Studio Live! Conference Co-Chair



Rockford Lhotka is the CTO of Magenic, and is the creator of the widely used CSLA .NET development framework. He is the author of numerous books on software development, and regularly speaks at major conferences around the world. Rockford is a Microsoft Regional Director and MVP. Magenic ([magenic.com](http://magenic.com)) is a company that specializes in planning, designing, building and maintaining your enterprise's most mission critical systems. For more information go to [lhotka.net](http://lhotka.net).

#### Lafe Low

Editor, Visual Studio Live!



Lafe Low has been a technology editor and writer for more than 25 years. Most recently, he was the editor in chief of TechNet magazine. He has also held various editorial positions with Redmond magazine, CIO magazine and InfoWorld. He also launched his own magazine entitled Explore New England, and has published four editions of his guidebook The Best in Tent Camping: New England.

#### Keith Ward

Editor in Chief, Visual Studio Magazine



Keith Ward is editor in chief of Visual Studio Magazine. He's been a technology journalist for more than a decade. In that time, he's covered all aspects of the industry, from IT administration to virtualization to software development. He was founding editor of Virtualization Review magazine, editor of Redmond magazine and senior editor of Microsoft Certified Professional magazine. He served as editor in chief of MSDN Magazine before his current role with Visual Studio Magazine.

### SPEAKERS

#### Rachel Appel

Appel Consulting



Rachel is a consultant, author, mentor, and former Microsoft employee with over 20 years in the IT industry who speaks at top industry conferences such as Visual Studio Live!, Live! 360, and MIX. During her career, Rachel has worked on projects of all sizes from the smallest of apps to the largest enterprise systems at some of the world's leading companies. Rachel's expertise lies within developing solutions that align business and technology, focusing on In frameworks, languages, databases, software practices, and more.

#### Sergey Barskiy

Architect, Tyler Technologies



Sergey Barskiy is an architect with Tyler Technologies. He is a Microsoft MVP. He holds the following certifications: MCPD, MCTS, MCSD for .NET, MCAD for .NET, MCDBA, MCP. He has been working with Microsoft technologies for 15 years. He is a frequent speaker at various regional and national conferences, such as Visual Studio Live, DevLink, CodeStock, and Atlanta Code Camp as well as local user groups. He is one of the organizers of Atlanta Code Camp and Atlanta Windows Apps users group. He is also INETA membership mentor for the state of GA.

**"THIS IS MY FIRST VISUAL STUDIO LIVE! CONFERENCE AFTER USING VISUAL STUDIO FOR YEARS. MY EYES HAVE BEEN OPENED! THIS EVENT HAS BEEN SO VALUABLE TO ME."**

Mark Holdcroft  
Enginer IV, Controls  
Diamond Power Int., Inc.



## CONFERENCE SPEAKERS, CONTINUED

### Robert Boedigheimer

*Principal Systems Developer, Schwans Shared Services, LLC*



Robert Boedigheimer works for Schwans Shared Services, LLC providing business solutions with web technologies and leads Robert Boedigheimer Consulting, LLC. Robert has been designing and developing web sites for the past 15 years including the early days of ASP and ASP.NET. He is a columnist for aspalliance.com, a Pluralsight Author, an ASP.NET MVP, an author, a MCPD: ASP.NET 3.5, and a 3rd degree black belt in Tae Kwon Do. Robert has spoken at industry conferences including Visual Studio Live!, Heartland Developers Conference, DevLink, DevTeach, Tulsa Tech Fest, DevWeek, DevReach, SDC, TechEd, AJAX-World, and numerous national and international events.

### Eric D. Boyd

*Founder and CEO, responsiveX*



Eric D. Boyd is the Founder and CEO of responsiveX, a Windows Azure MVP, and a regular speaker at national conferences, regional code camps and local user groups. He is so passionate about apps and cloud services that he founded responsiveX ([www.responsiveX.com](http://www.responsiveX.com)), a management and technology consultancy that helps customers create great web, mobile and client experiences, and these apps are often powered by cloud services. Eric launched his technology career almost two decades ago with a web development startup and has served in multiple roles since including developer, consultant, technology executive and business owner. You can find Eric blogging at <http://www.EricDBoyd.com> and on Twitter at <http://twitter.com/EricDBoyd>.

### Miguel Castro

*Principal Consultant, Melvicorp LLC*



Whether playing on the local Radio Shack's TRS-80 or designing systems for clients around the globe, Miguel has been writing software since he was 12 years old. He insists on staying heavily involved and up-to-date on all aspects of software application design & development, and projects that diversity onto the type of training and consulting he provides to his customers and believes that it's never just about understand the technologies, but how technologies work together. In fact, it is on this concept that Miguel based two of his Pluralsight courses, Building End-to-End Multi-Client Service Oriented Applications, which was #1 for several weeks, and Developing Extensible Software. Miguel is a Microsoft MVP since 2005 and when he's not consulting or training, Miguel speaks at conferences around the world, practices combining on-stage tech and comedy, and never misses a Formula 1 race. But best of all, he's the proud father of a very tech-savvy 10 year old girl, and a proud husband to the woman that homeschools her.

### Marcel de Vries

*Technology Manager, Info Support*



Marcel spends most of his time helping customers build enterprise systems based on Microsoft Technology. He has been working with Microsoft technology since he graduated in Computer Science in 1996. He started mainly with C/C++ and MFC. When Microsoft launched its new .NET platform in he immediately used it to write the first commercial application to go live in the Netherlands based on ASP.NET. Marcel writes articles and whitepapers on .NET and Team System for MSDN, Architecture journal and Dutch local magazines like .NET magazine. Marcel is a frequent speaker at conferences like Microsoft Developer Days and Tech Ed, SDC, and many local events. Besides his work as an IT Architect consultant at large bank and insurance companies he is also Technology Manager at Info Support and a Microsoft Certified trainer.

As a trainer he teaches courses on Visual Studio ALM, Windows Workflow Foundation and Mobile development. Marcel is a Visual Studio ALM MVP and Microsoft Regional Director for the Netherlands.

### Ben Dewey

*Mobile Practice Lead, Windows Division, Tallan Inc.*



Ben Dewey is a Microsoft MVP, INETA Community Speaker, and published author with over 16 years of experience writing applications and continually striving to create SOLID applications of the highest craftsmanship while paying special attention to clean User Experiences (UX). Ben is currently leading the Windows Division of the Mobile Practice at Tallan, Inc. and consults regularly in New York City on Web, XAML, and Cloud based technologies. He has also worked to deploy numerous high-quality, engaging apps to the Windows Store. When he's not consulting, Ben is busy training, mentoring, blogging and speaking at various conferences and community events around the country. He also recently authored the book "A Guide to Windows 8 Apps", published by O'Reilly. Outside of work, Ben spends most of his time playing with his three young kids, working around the house, or, if it's windy, kitesurfing. You can find Ben online on Twitter, StackOverflow, or on his blog at <http://bendewey.com/blog>

### Howard Dierking

*Program Manager, Web Platform and Tools, Microsoft*



Howard Dierking is a program manager on the Windows Azure Frameworks and Tools team where his focus is on ASP.NET, NuGet and Web APIs. Previously, he served as the editor in chief of MSDN Magazine, and also ran the developer certification program for Microsoft Learning. He spent 10 years prior to Microsoft as a developer and application architect with a focus on distributed systems.

**"LATEST TECHNICAL UPDATES WITH LATEST STRATEGY AND NEWS. SPEAKERS WERE AGNOSTIC AND NOT PUSHING A PARTICULAR VENDOR OR TECHNIQUE."**

*Kim Troboy, Arkansas Tech. University*

## CONFERENCE SPEAKERS, CONTINUED

### G. Andrew Duthie

*Founder and Chief Consultant, Devhammer Enterprises*



G. Andrew Duthie, aka devhammer, is the founder and chief consultant for Devhammer Enterprises. Andrew is a software developer, trainer, writer, and consultant with more than 15 years of industry experience, including nearly 10 years as a Technical Evangelist for

Microsoft's Mid-Atlantic States district, where he provided support and education for developers working with the Microsoft development platform. In addition to his work with Microsoft, Andrew is the author of several books on ASP.NET and web development, and has spoken at numerous industry conferences from Visual Studio Live! to Microsoft's Professional Developer Conference (PDC) and Tech-Ed. Andrew is also the creator and developer of Community Megaphone, a site designed for promoting and finding developer community events. In addition to his work in software development, Andrew has enjoyed some recent forays into the world of hardware experimentation, including developing for Kinect and .NET Gadgeteer, using his newly-formed hardware chops to do everything from blinking LEDs and making strange noises, to flying a helicopter with his bare hands. Andrew can be reached through his blog at <http://devhammer.net/>. You can also follow Andrew on twitter.

### Rick Garibay

*General Manager Connected Systems, Neudesic*



With over 13 years of experience delivering solutions on the Microsoft platform across industry sectors such as finance, transportation, hospitality and gaming, Rick is a developer, architect, speaker and author on distributed technologies and is the General

Manager of the Connected Systems Development Practice at Neudesic. Rick specializes in distributed technologies such as Microsoft .NET, Windows Communication Foundation, Workflow Foundation, and Windows Azure to deliver business value and drive revenue while reducing operational costs. Rick serves as a member of the Microsoft Application Platform Partner Advisory Council and is as an advisor to

Microsoft in a number of capacities including long-time membership on the Business Platform and Azure Technology Advisors group. As a six-time Microsoft MVP, Rick is an active speaker, writer and passionate community advocate in the national .NET community. Rick is the Co-Founder of the Phoenix Connected Systems User Group, celebrating four years in operation. Recent presentations include talks at the Microsoft SOA and Business Process Conference in Redmond, WA, Microsoft TechEd, Visual Studio Live! Las Vegas, Visual Studio Live! Chicago, Desert Code Camp, and numerous Microsoft events throughout North America. Rick is a frequent contributor to industry publications such as CODE Magazine, and is the co-author of "Windows Server AppFabric Cookbook." by Packt Press.

### 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](http://www.billyhollis.com).

### Philip Japikse

*Evangelism Lead, Telerik*



An international speaker, Microsoft MVP, MCSD, CSM, and CSP, and a passionate member of the developer community, Phil Japikse has been working with .Net since the first betas, developing software for over 20 years, and heavily involved in the agile community since 2005. Phil works as a Senior Developer Evangelist for Telerik's RadControls for Windows 8 as well as the Just family of products (JustCode, JustMock, JustTrace, and JustDecompile), and serves as the Lead Director for the Cincinnati .Net User's Group and the Cincinnati Software Architect Group, co-hosts the Hallway Conversations podcast ([\[www.hallwayconversations.com\]\(http://www.hallwayconversations.com\)\), and founded Agile Conferences, Inc., a non-profit dedicated to advancing agile in all aspects of software development. Phil also serves as Cub Scout Committee Chair for his sons' Cub Scout Pack, volunteers for the National Ski Patrol, and is a recently retired Firefighter/Paramedic. You can follow Phil on twitter via \[www.twitter.com/skimedic\]\(http://www.twitter.com/skimedic\) and read his blog at \[www.skimedic.com/blog\]\(http://www.skimedic.com/blog\).](http://www.hallwayconversa-</a></p></div><div data-bbox=)



### Craig Kitterman

*Group Product Manager, Visual Studio Team, Microsoft*

Craig is a Group Product Manager on the Visual Studio team at Microsoft. Craig engages closely with developers to help them

unlock powerful DevOps capabilities and experiences through Visual Studio, Visual Studio Online and Windows Azure. Craig lives outside of Seattle, USA in the foothills of the Cascade Mountains with his wife and three kids and spends his spare time golfing and flying his 1966 Beechcraft Bonanza V35 around Pacific Northwest with the family.

### Scott Klein

*Windows Azure Technical Evangelist, Microsoft*



Scott Klein is a Windows Azure Technical Evangelist for Microsoft, focusing on Windows Azure data services, including Windows Azure SQL Database, Windows Azure Storage, and SQL Server in a VM. Scott has been working with SQL Server for over 20

years. Prior to Microsoft Scott was one of the first 4 SQL Azure MVPs. Scott is the author of over 1/2 dozen books, including Pro SQL Database for Windows Azure by APress. He can also be found speaking at conferences and events around the world, such as TechEd, TechDays, SQL Server Live!, SQL PASS, and SQL Saturdays.

## CONFERENCE SPEAKERS, CONTINUED

### Mads Kristensen

*Program Manager, Web Platforms & Tools Team, Microsoft*



Mads Kristensen is a Program Manager on the Web Platforms & Tools team at Microsoft working on the web developer experiences of Visual Studio. He has over a decade of experience in developing web applications on the Microsoft platform which got him the honor of becoming both an ASP.NET MVP and ASPInsider. When he founded the BlogEngine.NET open source project, he didn't realize that it would grow to be the most popular blog application on the ASP.NET platform, used by 200,000 people worldwide. Mads is passionate about web standards and The Semantic Web and have given multiple talks at .NET user groups as well as conferences about this and other web related subjects. He blogs mainly about ASP.NET and regularly appears in interviews and podcasts about web technologies.

### Nick Landry

*App Artisan, Mobility42*



Nick Landry (@ActiveNick) is an App Artisan and mobility pioneer at Mobility42, specializing in the design and production of mobile applications for consumers and the enterprise. Nick offers custom development, mobile strategy, training and coaching services on Windows Phone, iOS, Android, Mobile Web, Xamarin and PhoneGap. Nick is also a Nokia Developer Ambassador whose mandate is to support Windows Phone developers to maximize their success. He previously spent most his career in IT consulting and services organizations across various technical and business roles, designing, building, managing and selling innovative software solutions for some of the world's top brands and Fortune 500 companies.

Known for his dynamic and engaging style, he is a frequent speaker at major software development conferences worldwide like Visual Studio Live!, HDC, PrDC, DevTeach, Xamarin Evolve, TechEd, and others. Nick is a 9-year Microsoft MVP awarded on Windows Phone Development, and a Nokia Developer Champion. With over 20 years of

professional experience, Nick is a developer and software architect by trade and specializes in Cross-Platform Mobility, Location Intelligence & Geospatial development, Data Visualization, Touch Computing, Cloud Computing and Mobile Game Development. He authored multiple technical magazine articles, white papers, and mobility courses, has been a technical editor for IT books, and holds several professional certifications.

### 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.

### 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 that services organizations ranging from small shops to high-profile clients. He is also a principal consultant at Tallan, Inc., 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 is also a Microsoft MVP for SQL Server, lead author of the MS Press book "Programming Microsoft SQL Server 2008" (currently being updated for

SQL Server 2012), consultant, trainer, and frequent speaker at local usergroup meetings, Visual Studio Live!, SQL PASS, and other industry conferences. He can be reached at [lenni.lobel@sleektech.com](mailto:lenni.lobel@sleektech.com).

### Mark Michaelis

*Chief Software Architect, IntelliTect*



Mark Michaelis (<http://IntelliTect.com/Mark>) is the founder of IntelliTect and serves as the Chief Technical Architect and Trainer. Since 1996, he has been a Microsoft MVP for C#, Visual Studio Team System, and the Windows SDK and in 2007 he was recognized as a Microsoft Regional Director. He also serves on several Microsoft software design review teams, including C#, the Connected Systems Division, and VSTS. Mark speaks at developer conferences and has written numerous articles and books - Essential C# 5.0 is his most recent. Mark holds a Bachelor of Arts in Philosophy from the University of Illinois and a Masters in Computer Science from the Illinois Institute of Technology. When not bonding with his computer, Mark is busy with his family or training for another triathlon (having completed the Ironman in 2008). Mark lives in Spokane, Washington, with his wife Elisabeth and three children, Benjamin, Hanna and Abigail.

### Ted Neward

*CTO of iTrellis*



Ted Neward is a programming language, virtual machine, and enterprise-scale architect. He is the CTO of iTrellis, a company focused on helping companies ease IT pain into IT growth, and he has written a dozen books and hundreds of articles on .NET, Java, enterprise systems, mobile development, and programming languages. He resides in the Pacific Northwest, and can be found on the Internet at [www.tedneward.com](http://www.tedneward.com), [www.itrellis.com](http://www.itrellis.com), @tedneward on Twitter, and blogs at [blogs.tedneward.com](http://blogs.tedneward.com).

## CONFERENCE SPEAKERS, CONTINUED

### Brian Noyes

CTO, Solliance



Brian Noyes is CTO and Architect at Solliance. Brian is a Microsoft Regional Director and MVP, and specializes in rich client technologies including XAML and HTML 5, as well as building the services that back them with WCF and ASP.NET Web API. Brian has authored several books including Developer's Guide to Microsoft Prism 4, Data Binding with Windows Forms 2.0, and Smart Client Deployment with ClickOnce. He publishes articles frequently in a variety of publications and speaks at conferences worldwide including Microsoft TechEd, Visual Studio Live!, DevTeach and others. Brian got started programming as a hobby while flying F-14 Tomcats in the U.S. Navy, later turning his passion for software into his current career. You can follow Brian through his blog at <http://briannoyes.net> and Twitter @briannoyes.

### Brian Peek

Senior Technical Evangelist, Microsoft



Brian Peek is a Senior 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 [www.brianpeek.com](http://www.brianpeek.com).

### 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 Visual Studio Live!, Tech-Ed, and BUILD. In addition, Brian shares through the written word. Brian currently writes the Team System column for MSDN Magazine.

### Pranav Rastogi

ASP.NET Product Team, Microsoft



Pranav Rastogi is a member of Microsoft ASP.NET product team, and is based in Seattle. Over the past years, Pranav has worked on a variety of areas such as ASP.NET Web Forms, Dynamic Data and more recently ASP.NET SignalR. He is passionate about understanding web developer woes with the Microsoft stack, and helps champion tools, packages or libraries that will enhance the web development experience on the Microsoft stack. Pranav is also a regular speaker on a variety of ASP.NET related topics at various worldwide conferences. Before joining Microsoft, Pranav graduated from University Of Florida with a Masters in Computer Science.

Pranav is also a food junkie who sometimes works as a Chef de cuisine at home. He is an adventure seeker and can be often found backpacking in the wilderness. In this spare time though Pranav, regularly practices his bartending skills on his friends. If you know anyone who is looking to throw a party and needs a bartender then get in touch with him.

### Walt Ritscher

Founder, Scandia Enterprises



Walt's enthusiasm for crafting software interfaces blossomed early. Just a few days after discovering how to make pixels move around the screen of a borrowed computer he was devouring books on the topic of computer graphics and UI design. Now he travels the world speaking at software conferences and teaching a diverse portfolio of programming topics for corporate clients. On the consulting side he continues to work with customers like Microsoft, HP, Intel, and Intuit and enjoys being part of the Wintellect consultant group. Recently he has entered the video training market producing .NET titles for Lynda.com. He writes for several publications including Code Magazine and TechTarget.com and has a new "HLSL and Pixel Shaders for XAML Developer" book available from O'Reilly Media. His current UI obsession revolves around the Windows 8 Metro, Silverlight, Surface and WPF APIs. You can find his blog at [blog.xamlwonderland.com](http://blog.xamlwonderland.com). Walt is also a Microsoft MVP and author of the free Shazzam WPF Shader utility ([shazzam-tool.com](http://shazzam-tool.com)).

### Adam Tuliper

Technical Evangelist, Microsoft



Adam works as a Technical Evangelist for Microsoft. Prior to that he worked as a software architect in defense, finance, pharma, manufacturing, technology, and public sector fields over a span of 18+ 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. Adam has performed security audits and penetration tests for large corporations and small companies alike as well. He has been deeply involved in .NET internals since early beta and currently works extensively developing solutions with Unity (game development), C#, Windows Store Apps, Windows Phone, HTML/JS, Azure, ASP.Net, SQL Server, MVC, and various open source technologies. He presents nationwide at conferences and user groups and is a pluralsight.com author and an MSDN Magazine author.

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The Chicago .NET Developers group is focused on educating and assisting downtown Chicago developers with the latest Microsoft Technologies. We generally meet the first Wednesday or Thursday of the Month and discuss all aspects of development, including web, desktop and cloud, as well as architectural design and application development frameworks. Meetings and membership are FREE! If you would like to join or find out more information please visit <http://ChicagoDev.net>.



### Chicago Visual Studio ALM User Group

Chicago Visual Studio ALM User Group, where the Chicagoland ALM community comes to collaborate and learn - <http://chicagoalmug.org/>

## VENUE & TRAVEL

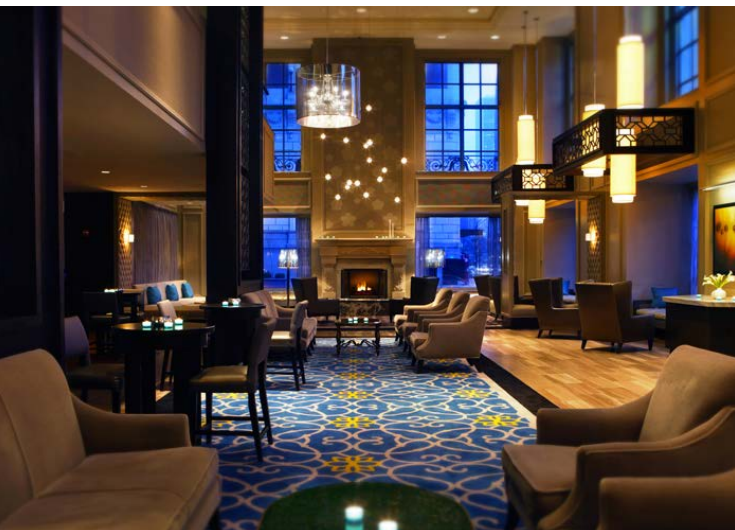
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- Follow signs for I-190 east.
- Take I-190 to I-90 east.
- I-90 will merge with I-94.
- Take 1-90/94 Approx. 18 miles to Jackson St.
- Exit Jackson St. Drive 1/4 mile on Jackson St., turn right on Michigan Ave. Hotel is 5 blocks down.
- Distance from Hotel: 18 miles

Transport	Typical Minimum Charge
Super Shuttle	31.00 USD
Subway/Rail	2.25 USD
Taxi	45.00 USD
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### Directions from Chicago Midway Airport

- I-55 north to Chicago North on Lakeshore Drive.
- Left on Balbo two blocks to hotel on left.
- Distance from Hotel: 12 miles

# CHICAGO 2014

## May 5 – 8 | Chicago Hilton

Transport	Typical Minimum Charge
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