

Pre-conference workshops

MONDAY 26TH MARCH 2012

The following workshops run for a full day (from 09.30 to 17.30), with a short break in the morning and afternoon, and a lunch break at 13.00.

Unless otherwise noted in the descriptions, they are presentation-based rather than “hands-on” labs.

A day of Metro

WORKSHOP REF: M1

DAVE WHEELER

Metro.

With Windows 8, Microsoft has introduced a whole new paradigm for creating compelling and immersive applications.

With great support for touch; easy access to Windows services such as sensors and devices; a rich new runtime in WinRT; and support for a host of different programming languages, Metro offers you an opportunity to deliver great new applications across a diverse range of platforms.

This workshop will provide a fantastic insight into how to build Metro applications using both managed code, C++ and HTML/CSS/JavaScript.

You'll see how to work with contracts, write and consume WinRT components, and of course create fantastic UIs.

This workshop is a must for anyone planning to develop for Metro.



A day of writing asynchronous code with C#

WORKSHOP REF: M2

ANDREW CLYMER & RICHARD BLEWETT

Asynchronous programming is being pushed further into the norm with the introduction of the new `async` and `await` keywords. It is therefore becoming more and more important that we write `async` libraries for our own application stack. During this day we will do a deep dive into how these new features work, and into the mechanics of how best to deliver asynchronous functionality into your applications, focusing not only on asynchronous compute but also on asynchronous IO, and how you adapt existing old style APIs to work with the new coolness.

HTML5 workshop

WORKSHOP REF: M3

JEFF PROSISE

HTML5 is the newest version of HTML, and it is taking the programming world by storm. It combines new markup elements with a host of new JavaScript APIs to bring HTML into the 21st century and to enable developers to build rich, feature-filled Web applications without relying on browser plug-ins such as Silverlight and Flash.



In this full-day pre-conference tutorial, we'll take a deep dive into HTML5 and show all the bells and whistles, including new markup elements, browser support, audio and video, the canvas API, local storage, web workers, geolocation, and much, much more.

One day of mobile application development

WORKSHOP REF: M4

DINO ESPOSITO

Mobile today refers to a number of radically different platforms requiring radically different skills. There are differences in development approach, languages, API and it even requires different

computers. A mobile application is also simpler than a desktop application for the logic, but more complex for resource management and life cycle.

Based on four modules, this workshop offers a summary of the issues you face in a mobile project. The first module attempts to identify the most common patterns of mobile development. The remaining three cover each one of the most popular platforms – iPhone, Android and Windows Phone 7 – and the same application will be discussed for the three platforms.

Agile primer

WORKSHOP REF: M5

KEVLIN HENNEY

The word *Agile* has passed into the wider buzzwordsphere familiar to developers. But that does not mean its concepts, culture, associated processes and practices or implications are as widely understood. Agile development involves more than a passing familiarity with Scrum terminology, more than the occasional use of an automated testing framework and more than simply rebranding either a chaotic or bureaucratic in-house process and proclaiming “We’re Agile!”.





This one-day session will take a look at the thinking and motivation behind Agile development. Different approaches will be explored, from XP to Lean, from Scrum to Kanban. Various techniques and practices will be presented, from user stories to TDD, from estimation to visualisation.

This session is targeted at all roles in software development, whether developer or manager, architect or UI designer.

Design patterns in depth

WORKSHOP REF: M6

ALLEN HOLUB

Without good OO structure, Agile development, which mandates constant refactoring, fails. Design Patterns help by providing classes of solutions to common programming problems. Patterns, however, are usually presented in a catalog format that gives you no feeling for how the patterns are actually applied in the real world, where the patterns interact in complex ways.

This class discusses both good object-oriented structure and the most commonly used design patterns, using an in-depth analysis real code that demonstrates how the

patterns work in context. We'll also cover interface-based design and the make up of a well-structured object and class hierarchy.

The extensive code examples are in Java, but they should present no problem to C++ or C# programmers.

Designing and building ASP.NET MVC applications

WORKSHOP REF: M7

KEVIN JONES

MVC as a style of web development has been around forever, but ASP.NET MVC only for a relatively short time. Creating your first MVC application is easy, but how do you ensure that the application is maintainable and extensible? How do you use the latest .NET tools and

frameworks within MVC? How do you make sure the application is testable? How do you use routes and route constraints? What external tools are there to help you test and debug the application? How do you manage database access from within an MVC application? What's the difference between a model and a view model?

During the day we will start from scratch and build a testable ASP.NET MVC application. The talks will cover MVC; testing; using IoC to create a more testable application; Entity Framework 4 and the Repository pattern. At the end of the day you will come away with a solid understanding of how to use various patterns and techniques to create a working ASP.NET MVC application.

Windows Azure workshop

WORKSHOP REF: M8

MATT MILNER

This pre-conference seminar will expose developers to the tools, technologies and techniques required for developing "cloud" applications. All the major pillars of developing for Windows Azure will be covered including Web roles, SQL Azure, Service Bus, Access Control. Attendees will leave

with an understanding of how to develop cloud applications for Windows Azure as well as some best practices and pitfalls to avoid.

New features in SQL Server 2012 for developers

WORKSHOP REF: M9

BOB BEAUCHEMIN

SQL Server 2012 includes many features to improve performance, make querying easier, and make using SQL Server possible with new scenarios. This day-long offering will cover not only the technical aspects of new and improved features, but also the use cases that SQL Server 2012 features will improve.

I'll be covering:

- T-SQL improvements – new functions including paging, windowing, analysis, metadata, and improved error handling
- Performance improvements – including new query hints and columnstore indexes. Also includes new memory management that improves SQLCLR stability
- Full-text and semantic search – full-text search has been around for a while, but there are some useful new features like property lists and custom proximity queries. Semantic search is brand new and allows you to search into the meaning of documents
- FileTable – this allows you to store and query data on the file system within SQL Server, using all of the features for documents in SQL Server.
- Other features as time permits



Conference sessions

TUESDAY 27TH MARCH 2012

Microsoft
tech.days
Unfold Innovation
TRACK

TRACK 1	TRACK 2	TRACK 3	TRACK 4	TRACK 5	TRACK 6	TRACK 7	TRACK 8
---------	---------	---------	---------	---------	---------	---------	---------

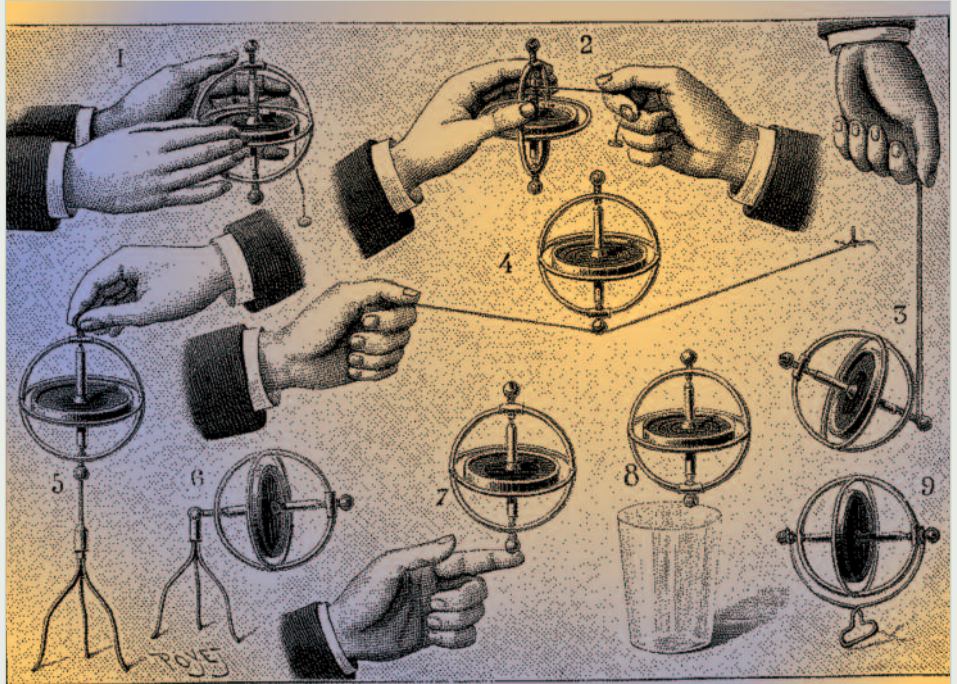
09.30 TECHNICAL KEYNOTE

Windows 8 for application developers

MIKE TAULTY

Windows 8 is Windows re-imagined for new devices, form-factors and chipsets embracing and unifying touch as a first-class input mechanism and providing a new platform for fast and fluid Metro style applications that put the application and the user front and centre. Developing Metro style applications involves a new set of tooling in Visual Studio and new versions of Expression Blend where you can author your UI in HTML or XAML and write your logic in JavaScript, C# or C++. The new WinRT runtime provides APIs that expose platform capabilities like storage, networking, media and also provides access to the contracts that let Windows loosely link your applications with others on the user's machine.

This session will set the scene for the Windows 8 operating system and Windows 8 "Metro Style" applications, and the huge opportunity that they offer you as an application developer.



11.00 COFFEE BREAK

11.30 A tour through Visual Studio 11

DAVID STARR

The next major release of Visual Studio is on the way, and our favorite IDE just keeps getting better. This session shares significant additions and improvements slated for the next version of Visual Studio. The specific focus is on the tools that will make developers' lives better, and how we'll use them in real life.

- Learning points:
- What's coming in Visual Studio 11
 - Which features add major value, and which are just a "meh"
 - How these new tools will change how we work

An introduction to Workflow 4.5

RICHARD BLEWETT

.NET 4.0 shipped with a new version of workflow. This version was a rewrite taking on board the customer feedback from previous versions. What we have ended up with is a streamlined, flexible runtime for building rich functionality in a visual scripting environment. .NET 4.5 has removed some of the rough edges on this initial release. This talk looks at what problems workflow is designed to solve and examines the basic building blocks of a workflow based application - including how you can provide a customised editing environment for workflows that your business users can work with.

It's a kind of magic

ANDREW CLYMER

In the early days of C# there was virtually a 1-1 mapping between C# and IL. Much has changed since C# 1, the developer is encouraged to simply describe their intent and the compiler builds the appropriate code. This talk will dive under the hood and show how various C# features like iterator methods, anonymous methods, extension methods, async/await and dynamic all result in code gen by the C# compiler. These layers of abstractions initially make us more productive, but sometimes they hide those hard to find bugs, and can add a deluge of performance implications that once we understand how the mechanics of the features work we can quickly fix. This talk is for anyone who isn't comfortable with accepting that it's "just magic".

ASP.NET MVC: programming for the real world

DINO ESPOSITO

You cannot realistically write an ASP.NET MVC controller class without making extensive use of action filters. In ASP.NET MVC, an action filter affects the way in which controller methods execute. An action filter can be used to trap exceptions, authorise access, cache output, and validate requests. This is only the first stage of flexibility, however. In this session, we'll first see how to create custom filters to perform a variety of custom tasks including compressing the response, adapting to the browser, filling up view dependencies. Up to here, however, filters are only attached to methods statically. The next step consists of defining an infrastructure for you to load filters dynamically thus gaining the ability to toggle certain behaviour on or off on the fly.

So you want to be a Windows Phone developer?

JEFF PROSISE

Windows Phone "Mango" is loaded with features that make it an able competitor to iPhone and Android. If you've never written a Windows Phone app but would like to try, this session provides the essential skills and knowledge you need to get started. Includes coverage of location, sensors, lifetime management, Pivot and Panorama controls, networking and push notifications, and more.

Agile architecture & design

NEAL FORD

This session describes the current thinking about emergent design and evolutionary architecture. The hazard of Big Design Up Front in software is that you don't yet know what you don't know, and design decisions made too early are just speculations without facts. Emergent design techniques allow you to wait until the last responsible moment to make design decisions. This talk includes both proactive (test-driven development) and reactive (refactoring, metrics, visualisations, tests) approaches to discovering design, and discusses the use of custom attributes, DSLs, and other techniques for utilising them. The goal of this talk is to provide nomenclature, strategies, and techniques for allowing design to emerge from projects as they proceed, keeping your code in sync with the problem domain.

Structured programming revisited

KEVLIN HENNEY

Structured programming. That's so 1970s, right? It was all about *gotos* (or not) and has no more relevance to current programming practice, with its exceptions, threads, object models and refactorings, than flared trousers, disco or punk. Or perhaps there is and always has been more to structured programming than this oversimplified view? This session looks back at the thinking that motivated structured programming, from "Go To Statement Considered Harmful" to block-structured code and its realisation in object orientation, to look forward at its enduring implication for modern programmers, namely being able to understand and reason about the code they are looking at. Code and examples (and counterexamples) will be presented in a number of languages.

Developing for SQL Server 2012 with the Project Juneau toolset

BOB BEAUCHEMIN

Along with a new release of SQL Server will come a new SQL Server developer tool; poised to replace SQL Server Management Studio as the one-stop shop for developers. This tool is known as Project Juneau. I'll have a look at the features and Project Juneau brings to the table, including Entity Framework and SQLCLR integration, as well as many of the features that until now were only available in SSMS.

Windows 8 "Metro style" applications in C# - the power of the device

MARTIN BEEBY

Windows 8 spans a range of devices from the smallest slate to the largest all-in-one PC which means that your software will run on diverse devices. In this session we'll look at how your application interacts with the capabilities of the device itself taking a demo-based approach to investigating how we can build UX with controls and user notifications, how we do storage, how applications interact with the OS to maximise battery life via suspend/resume and how they link to other applications via operating system contracts. We'll also talk about how your application can detect and interact with additional hardware capabilities for geolocation and orientation, audio, video, imaging, acceleration.

13.00 LUNCH



	TRACK 1	TRACK 2	TRACK 3	TRACK 4	TRACK 5	TRACK 6	TRACK 7	TRACK 8	
14.00	<p>Delegates, Lambdas and Expressions (oh my!)</p> <p>JIM WOOLEY</p> <p>The .NET framework has slowly evolved to allow for different programming paradigms. Over the recent versions, there have been a number of features added to allow for more declarative and functional programming options. In this session, we will explore the concepts of Delegates, Anonymous Delegates, Lambda Expressions and Expressions, and see how using them can add flexibility and functionality in our applications.</p>	<p>Understanding LINQ</p> <p>RICHARD BLEWETT</p> <p>LINQ has been with us for a while now and many myths have grown up around how it works and how it performs. In this talk we look at how LINQ works under the covers, how you can use it as a powerful declarative language, and what impact LINQ has on system performance.</p>	<p>A COM/WinRT primer</p> <p>DAVE WHEELER</p> <p>Some ten years ago, COM was largely replaced overnight by .NET. But it has been lurking under the covers ever since. Now, WinRT builds on the technology of COM, and we see the likes of IUnknown, RPCSS and apartments far more up close and personal than we have for the past few years. So if you've never had the privilege of playing with COM, and you want to gain an insight into the thinking behind WinRT, you should come to this session.</p>	<p>ASP.NET and Visual Studio 11</p> <p>ROBERT BOEDIGHEIMER</p> <p>Learn about the great new features coming in the next version of ASP.NET and Visual Studio. There are some great enhancements to all of the editors (CSS snippets, CSS vendor prefixes, JavaScript go to definition, etc). Discover the new model binding and repository capabilities in Web Forms, along with unobtrusive jQuery validation support for validators. See how to bundle and minify CSS and JavaScript files simply to drastically improve web site performance. A new script manager also supports debug, release, and CDN versions of files.</p>	<p>Modern JavaScript</p> <p>SCOTT ALLEN</p> <p>Have you ever looked at the code for a library like jQuery and wondered how it all works? In this session, we'll uncover the secret strengths of JavaScript and see the fundamental patterns used by today's JavaScript libraries. Functional programming, closures, modules, and unit testing are all employed in the demonstration of this unique and dynamic language. By the conclusion you'll feel more comfortable working with popular modern libraries like jQuery and improving the JavaScript code you write in your own applications.</p>	<p>Testing the entire stack</p> <p>NEAL FORD</p> <p>Most talks you see about testing cover one particular tool, and rarely delve into the strategies around when you should use a particular tool for a particular kind of testing. This talk differs because it covers testing the entire stack: unit, integration, functional, behaviour-driven, databases, user acceptance, mocking & stubbing, and other topics and strategies. I discuss the merits of "known good state" vs. "nuke & pave" for databases, discuss the differences between ClassicTDDers vs. Mockists and how they approach testing. Throughout, I provide strategies and heuristics to help guide you when making decisions about how, when, and why you are testing some part of your infrastructure.</p>	<p>From SOLID to FLUID</p> <p>KEVLIN HENNEY</p> <p>The SOLID principles are often presented as being core to good object-oriented practice. While they are not a perfect or consistent description of how to organise and manage OO code effectively, they are a good starting point. But there is also more to good code than just traditional OO practice, which is where the FLUID principles come in. This session starts by going over the SOLID principles, looking at code examples and also different interpretations of the principles themselves. It then takes a look at the complementary FLUID principles, which embrace more functional thinking and looser typing than the SOLID principles.</p>	<p>Data quality in SQL Server 2012</p> <p>DEJAN SARKA</p> <p>Data quality is these days one of the main focuses of many companies. Microsoft is also aware of this problem, and invests continuously in this area. In the next version of SQL Server, we will get Data Quality Services (DQS). However, even before SQL Server 2012, there are many tools and possibilities for data quality checks available. In this presentation, we are going to introduce and compare different data quality tools in SQL Server, including DQS, Integration Services Data Profiling task, Transact-SQL queries, and Analysis Services Data Mining models. We will show how we can use these tools efficiently to improve the quality of our data. Attendees should already be familiar with Transact-SQL.</p>	<p>Windows 8 "Metro style" applications in C# - the power of the cloud</p> <p>MIKE ORMOND</p> <p>Today's devices are connected. In this session we'll look at the capabilities that Windows 8 has for taking maximum advantage of your user's connected device. We'll build a bunch of demos and look at how a user can login with a Windows Live ID and then roam their OS and application data and settings to all machines where they use your app. We'll also explore how that Live ID opens up Cloud capabilities for the user's contacts, instant messaging and storage for documents, photos etc. We'll also look at how you can use code from the web to bring in existing capabilities such as mapping and search. WinRT exposes a rich set of networking capabilities for the modern "Metro Style" application and we'll write code around those to look at how we do HTTP, how we can make easy use of Auth to use services like Twitter and Facebook and how we can take a lower level approach via web sockets and sockets. We'll then loop back to the previous session and talk about how we can use notifications via the Cloud Notification Service to drive notifications to a user of your app even if the app isn't running.</p>
15.30	COFFEE BREAK								
16.00	<p>Entity Framework 4.0 and repository pattern</p> <p>ANDREW CLYMER</p> <p>Writing data access code is dull. Entity Framework is Microsoft's ORM offering to drastically reduce the expense of writing data access code. Prior to Entity Framework 4.0, EF relied on generating entity classes that were tightly coupled to EF. 4.0 introduces the idea of POCO classes - bringing your own classes to EF. This talk shows how POCO support works, and how you can use the repository pattern to keep your application code and the data access layer cleanly separated and testable.</p>	<p>LINQ scalability</p> <p>JIM WOOLEY</p> <p>When LINQ arrived in 2008, we were given a new declarative model to perform set based operations. As we begin to use it more in our applications we start to see the performance implications of using this model in our applications. This session will look at options we have to improve our performance by improving our code, using hash tables with I40, scaling out with PLINQ, scaling out with Dryad and asynchronous operations with Rx. By the end of this session, you should have an understanding of when to use each of these new and emerging technologies to improve your LINQ code.</p>	<p>A .NET developer's guide to WinRT</p> <p>DAVE WHEELER</p> <p>Come to this session to find out how to consume and interact with WinRT from managed code. Learn how to write WinRT components; how to integrate them with C++ and JavaScript code; and just how natural and fluid it is to work with WinRT from managed code.</p>	<p>AJAX and ASP.NET MVC</p> <p>SCOTT ALLEN</p> <p>In this session we'll explore the AJAX features of ASP.NET MVC, including the built-in AJAX helpers. We'll also see how to integrate jQuery with an MVC applications and use many popular jQuery plug-ins. During the session we'll see how to implement client-side validation, fancy client side UI widgets, and coordinate asynchronous web requests with controller actions.</p>	<p>HTML5 quick start</p> <p>JEFF PROSISE</p> <p>There are two kinds of developers: those who know HTML5, and those who will be learning HTML5. Has your day job kept you too busy with mundane tasks to devote time to the most talked-about technology in years? Let us help out by immersing you in HTML5 for 90 glorious, fun-filled minutes. Includes coverage of the HTML5 canvas API, Web storage, Web workers, geolocation, and much more, and features gobs of sample code to get you started quickly when it's time to write that first HTML5 app, whether it's targeted for browsers, mobile devices, or Windows 8 Metro.</p>	<p>High performance software development teams</p> <p>DAVID STARR</p> <p>High performance teams aren't just a platitude. They are observable, measurable, rare, and beautiful to behold. This session examines what a high performance team looks like in software development and discusses how they are made. Additionally, we'll discuss how to keep a high-performance team healthy and avoid burnout. Learning points:</p> <ul style="list-style-type: none"> • The history and characteristics of high performance teams • Creating a high performance team • Maintaining high performance 	<p>Refactoring legacy code bases</p> <p>HADI HARIRI</p> <p>Not everyone has the possibility of working on greenfield projects or doing TDD or BDD. Many of us often end up having to work with legacy code bases that have little notion of what SOLID design principles are, and unit tests are non-existent. It can be daunting to have to maintain these types of systems. However, with a little bit of effort, we can try and make the best of the situation. By applying a series of patterns and principles, we can gradually refactor legacy systems to produce a better, friendlier and more sustainable design. Come and see how!</p>	<p>SQL Server 2012 Master Data Services</p> <p>DEJAN SARKA</p> <p>Master Data Management (MDM) is a set of tools, processes, people and rules for managing master data, like customers or products data. The ultimate goal is to ensure maximum possible quality of the master data. A centralised MDM solution serves as a source of master data. With all constraints, defined workflows and people roles, and with tools for data cleansing, it is an authoritative source of master data for other applications in the enterprise. Master Data Services (MDS) is Microsoft's centralised MDM solution. In this session, we are going to introduce MDS, and show how people that are members of a specialised role called data stewardship can work with it. Attendees should already be familiar with Transact-SQL.</p>	<p>Inside Metro: changing the face of business systems</p> <p>ANDREW SPOONER</p> <p>A deep look at the principles of a Metro style application on Windows 8, and how those principles can be applied. This session will look at what it means to create a Metro style application, and how Metro brings users closer to your content. It will also challenge you to think differently about how you approach application development. Attend with an open mind...</p>
17.30	DRINKS RECEPTION IN THE EXHIBITION HALL								

Conference sessions

WEDNESDAY 28TH MARCH 2012



	TRACK 1	TRACK 2	TRACK 3	TRACK 4	TRACK 5	TRACK 6	TRACK 7	TRACK 8	TRACK
09.30	<p>Asynchronous programming with C# 5</p> <p>ANDREW CLYMER</p> <p>NET 4 introduced the new 'task' abstraction, and C# 5 will take advantage of integrating this task abstraction into the language via the async and await keywords. Furthermore, the new task abstraction promotes a new way of architecting asynchronous behaviour; in this talk we will explore how to take advantage of these new keywords and other new types and features being exposed in the next version of .NET to deliver far simpler asynchronous Windows UIs.</p>	<p>Turn on your apps with LightSwitch</p> <p>MATT MILNER</p> <p>Wondering what Visual Studio LightSwitch is all about? Have you heard that it's the greatest thing since sliced bread or the most evil tool ever released by Microsoft? Learn how LightSwitch makes it simple to build business applications, deploy them to the desktop, web or cloud environment, and how .NET developers can use their existing .NET skills to work with LightSwitch applications. We will cut through the marketing and you will learn how to quickly build rich business applications that involve rules, validation, security, and unending customisation opportunities.</p>	<p>Building XAML-based Metro applications</p> <p>DAVE WHEELER</p> <p>eXtensible Application Markup Language, or XAML for short, is one of the two primary view engines for building Metro applications. In this session you will see how to create views in XAML and work with them from both managed code and C++. We'll look at all aspects of XAML in the Metro world, ranging from markup extensions to data binding, and see how it differs from (and how similar it is to) the XAML that you might have used with WPF or Silverlight.</p>	<p>jQuery for HTML5 developers</p> <p>JEFF PROSISE</p> <p>If you're going to be writing HTML5 apps, there are three rules you need to keep in mind. 1) You need jQuery. 2) You REALLY need jQuery. 3) Don't even THINK about it without jQuery. This session is designed to get new and experienced HTML5 developers alike up to speed on jQuery, with coverage of essential topics such as selectors, wrapped sets, DOM manipulation, events, effects, AJAX, and jQuery UI. This will be accompanied by numerous code samples demonstrating key use cases and programming techniques.</p>	<p>What's new in WCF 4.5</p> <p>RICHARD BLEWETT</p> <p>The WCF team has been busy. WCF 4.5 comes with a host of new features: further configuration simplifications, WebSockets support, contract first development and more. This session shows you the new features, explains why they were introduced, and examines what impact they will have on the way you build distributed systems.</p>	<p>BDD and .NET</p> <p>JAMES HUGHES</p> <p>Behaviour Driven Design/Development is an interesting premise, but does it really work? What benefits does it offer and how can we successfully apply its principles in the .NET world? We can answer these questions by reviewing the principles around BDD and diving into the technologies that exist in the .NET world that support these principles. From low-level unit focused testing technologies all the way up to the more abstract integration and acceptance level suite of specifications, automated testing and continuous integration, we will see that .NET isn't lacking in choice. As a bonus we will address the oft ignored testing of our JavaScript project components using tools such as Jasmine and QUnit.</p>	<p>OOP pitfalls and the quest for better code</p> <p>DINO ESPOSITO</p> <p>Gone are the days in which drag-and-drop of components was all you needed to build working applications. The era of RAD is probably gone forever, defeated by the growing complexity of modern applications which created the conditions for revisiting object-oriented design principles. An extension of classic OOD principles, SOLID principles are five design principles that systematically and insightfully applied make your software loosely-coupled, testable, and especially easy to understand and maintain. The session will discuss the conceptual value of SOLID principles and illustrate them with a few examples.</p>	<p>SSAS in SQL Server 2012</p> <p>DEJAN SARKA</p> <p>SQL Server Analysis Services (SSAS) brings a new Business Intelligence Semantic Model (BISM) besides classical Unified Dimensional Model (UDM). BISM can work in cached or direct query model. UDM can use MOLAP, HOLAP or ROLAP storage. PowerPivot for Excel and for SharePoint are upgraded as well. SQL Server is developing towards analytical processing through new T-SQL expressions and columnar indexes as well. A person can get confused from many options. In this presentation, we are going to discuss all of the data warehousing and OLAP possibilities in SQL Server 2012. We are going to dive deeper in SSAS, especially BISM. After the presentation, attendees should have the information needed to select the appropriate model for their problems, and basic understanding of BISM. Attendees should have basic knowledge about the BI suite in SQL Server.</p>	<p>The secret life of a Windows Phone application</p> <p>MIKE ORMOND</p> <p>Ever wondered what Windows Phone apps get up to behind the scenes? How do great apps create the illusion of persistence? Keep you connected when they're not running? Seemingly know where you are? Alert you when they know something you ought to? Remind you of your dinner's burning? In this session we'll take a look at some of the Windows Phone 7.5 features you can use to bring your applications to life and let them live outside the sandbox. See how you to effect seamless transitions between apps, perform background tasks, update live tiles, create reminders and send alerts. All performed as glorious demos in front of your very eyes.</p>
11.00	COFFEE BREAK								
11.30	<p>Fluent APIs and internal DSLs with C#</p> <p>SCOTT ALLEN</p> <p>Today's C# language gives us a number of options for building readable, maintainable code. In this session we'll look at building APIs using extension methods, lambda expressions, expressions trees, and more. We'll start with simple validation scenarios and turn procedural code into code using a declarative functional style. By the end we'll look at building a LINQ powered rules engine with a DSL configuration API.</p>	<p>.NET collections deep dive</p> <p>GARY SHORT</p> <p>The .NET framework provides a rich set of collection classes, but how much do you really know about them? In this presentation we'll take a deep dive into the .NET 4.0 collection classes and examine which are best for what scenario and why. By the end of the presentation, you'll no longer be happy just reaching for the same old collection you always have before, but you'll be armed with the information required to pick the best collection for your needs.</p>	<p>Building cross-platform mobile applications with HTML5 and PhoneGap</p> <p>JEFF PROSISE</p> <p>Windows Phone 7 is a great platform, but the greatest challenge facing mobile developers today is writing apps that run on all the popular mobile platforms. With HTML5 and PhoneGap, you can write apps that exploit native features of the operating system and run on a wide range of devices. And the recently released PhoneGap 1.3 makes Windows Phone 7 a first-class citizen in the PhoneGap environment. Join the fun as Jeff explores the world of cross-platform mobile development and demonstrates the pros and cons of going HTML5 vs going native.</p>	<p>ASP.NET MVC deep dive</p> <p>HADI HARIRI</p> <p>In this talk we'll discuss the internals of ASP.NET MVC 3. We'll see what extensibility points it offers us, how we can change things and where the pain points continue to be despite its third incarnation. This is a deep-dive coding session.</p>	<p>Building services with Workflow 4.5 and Windows AppFabric</p> <p>RICHARD BLEWETT</p> <p>Workflow is often used for automating business rules in the small. However, one of its most powerful features is to provide an infrastructure for long running services that automate whole business processes. When combined with Windows Server AppFabric, Workflow provides a robust, highly available and scalable service infrastructure that this talk will show you how to utilise.</p>	<p>Explain it or change it</p> <p>KEVLIN HENNEY</p> <p>Ever found yourself struggling to explain a design idea, a piece of code or a series of steps you go through to do something? Ever found yourself well-practised at explaining a design idea, a piece of code or a series of steps you go through to do something? Both of these experiences can hint at possibilities for change we might otherwise miss. Is struggling to explain something a property of what you're trying to explain? Would an alternative approach be easier to explain... and would it also be more effective? Don't comment a complex method, consider refactoring it so the need for explanation disappears. If you are used to explaining something, it sounds like an FAQ... but perhaps changing it so that it no longer raises a question would be the next step beyond recording it as an FAQ? This talk takes a look at the fact that you struggle to explain something or that you keep having to re-explain something may be more important than the explanation itself. We can use this feedback constructively to change our code, our architecture, our practice, our process.</p>	<p>Pragmatic architecture</p> <p>OLIVER STURM</p> <p>Planning application architecture is a complex task which requires detailed understanding of the technological platforms you're targeting. Oliver demonstrates and explains the major steps of the process of creating an architectural concept for a medium-sized distributed .NET application. From data access over layering concerns to UI platforms, every topic needs to be considered, and this talk summarises the gist of the technical considerations and a healthy pragmatic philosophy. Oliver lets you participate and benefit from his experiences from project work and consulting - architects, programmers and owners of other job titles are equally welcome!</p>	<p>SQL Server security best practices</p> <p>BOB BEAUCHEMIN</p> <p>This talk covers SQL Server security best practices in conjunction with new features in SQL Server 2008 and 2012. I'll discuss how Policy-Based Management fits into the security and compliance picture, as well as when to use Transparent Data Encryption (or OS-based encryption such as BitLocker) vs. cell-based data encryption. I'll compare and contrast SQL Profiler-based auditing with the SQL Server 2008 Auditing feature. Finally I'll mention how best practices for service accounts and setting up logins, users, and schemas, and how this might change with some of the future features.</p>	<p>Windows Azure 101</p> <p>STEVE PLANK</p> <p>What is it that differentiates a Platform as a Service (PaaS) cloud platform from an Infrastructure as a Service cloud platform? Understanding this is a key to understanding Windows Azure. In this session we start by covering the story about what is included in Windows Azure. Then we drill in to the areas that specifically interest developers and architects: Compute, Storage, SQL Azure, Access Control Service and Service Bus. You'll come away with a good understanding of how you could architect your own applications to take advantage of the maximum "from an architecture diagram on a whiteboard, to deployed, in 15 minutes". This session is an excellent backgrounder for the Developing Applications on the Windows Azure Platform session.</p>
13.00	LUNCH								



	TRACK 1	TRACK 2	TRACK 3	TRACK 4	TRACK 5	TRACK 6	TRACK 7	TRACK 8	
14.00	<p>Extensible .NET applications with the DLR</p> <p>OLIVER STURM Microsoft's Dynamic Language Runtime (DLR) is a new layer on top of the CLR. It unifies the integration of dynamic languages into the .NET environment, and since it can be hosted in your own applications, it enables extensible architectures on the basis of those dynamic languages. This talk addresses specific concerns of providing the infrastructure for this kind of extensibility and shows working systems using C#, F# and the DLR-based IronPython.</p>	<p>OData everywhere!</p> <p>MATT MILNER More and more servers and systems are providing access to their data via OData, the open standard protocol for data exchange on the internet. In this session learn how to use your .NET skills to publish and consume that data from a variety of clients. We will start by showing the very elegant .NET client solution for OData services, and quickly move into the different libraries available for each client platform to understand the unique features and constraints of each.</p>	<p>Deep, deep Metro</p> <p>DAVE WHEELER So you've built your first Metro app, run it and got all excited. But how on Earth did it get running? This session will give you a solid insight into how a Metro-style application gets registered; how it is launched; and how it works at the lowest level. This is not an introductory talk. You will see debuggers in action, spend time examining registry entries and step through calls to low-level WinRT APIs. In other words, it's a must-see session for anyone who really wants to know what happens when a Metro application is built and its tile is activated.</p>	<p>ASP.NET MVC hidden gems, tips and tricks</p> <p>SHAY FRIEDMAN The ASP.NET MVC framework has been around for more than two years now and has been constantly gaining popularity ever since. However, despite that fact, a lot of MVC developers are not aware of various hidden gems that can make their development experience much easier and nicer. In this session we will go through some of those which were added in the latest version - ASP.NET MVC 3.</p>	<p>Lightweight web-based architectures with .NET Web APIs</p> <p>CHRISTIAN WEYER Service-based application architecture has been promoted for years now. With the rising interest and need for mobile and touch-enabled applications and devices we need a profound base to model services in order to provide access to remote business logic and data for our client applications - cross-device & cross-platform. These services can run locally inside the enterprise or in the Cloud. By leveraging the power of HTTP we can use .NET-based Web APIs to expose light-weight services in a web-style way for targeting different kinds of client applications - including your beloved desktop applications and new mobile apps. Come and see a boring architecture & communication topic coming to life, hopefully.</p>	<p>Design for testing</p> <p>KEVIN JONES Many developers now recognise the importance of unit testing, and either use Test First or Test Driven development. However, many developers and architects are still struggling to come up with designs that enable easier testing of their applications. This talk will examine some common unit testing problems and use various unit testing patterns to solve those problems.</p>	<p>Agile.next</p> <p>NEAL FORD Agile has matured to the point of mainstream success. Even large companies have discovered that it helps them build better quality software faster. But the agile practices that are mainstream today have been around for a long time. What is the next wave of innovation in the Agile world going to bring? Agile software development works because of feedback loops, and to make it better (or repair what's broken), you identify missing feedback loops, or replace broken ones. This talk uncovers two feedback loops missing from most projects. The first uses Behavior Driven Development and Cucumber to incorporate business analysts, testers, subject matter experts, and developers one one platform for requirements definition and verification. The other anemic feedback loop in many organisations involves the last mile to production: you have error prone, horrific manual releases that everyone hates. Continuous Delivery delivers proven techniques and tools to make "Done" better.</p>	<p>Vertipaq storage in SQL Server 2012</p> <p>DEJAN SARKA In SQL Server 2012, we are getting three flavours of column storage, called Vertipaq, powering the new Business Intelligence Semantic Model (BISM). BISM is a Microsoft's fresh start in On-Line Analytical Processing (OLAP) area, providing simplified development and maintenance than Unified Dimensional Model (UDM). Vertipaq is coming in PowerPivot, Analysis Services and SQL Server. We are going to introduce the theoretical background for columnar storage. We are going to compare all three flavors of Vertipaq. In addition, we are going to describe the strengths and weaknesses of Vertipaq compared to classical SQL Server relational storage and to UDM. Attendees should already be familiar with Transact-SQL and have basic knowledge about the BI suite in SQL Server.</p>	<p>Developing applications on the Windows Azure platform</p> <p>STEVE PLANK Learn how to use Visual Studio and the Windows Azure SDK/Tools to build highly scalable and reliable cloud applications. This session shows you how to get started with the tools to debug applications in the local Windows Azure Emulator. We'll then build a demo application and deploy it to the live Internet. It will use a Web Role front end and a Worker Role at the back end to process messages. We'll use Windows Azure Storage to store messages and follow them through the front end, via a storage queue to the back end. You'll understand how VMs are provisioned automatically, how to scale up and down and how to use the core APIs. A great practical hands-on session for anybody who attended the Azure 101 session.</p>
15.30	COFFEE BREAK								
16.00	<p>The .NET Garbage Collector: how to live happily with the GC</p> <p>RICHARD BLEWETT For many .NET developers the GC generally works in the background largely unnoticed. However, a clear understanding of how the GC works and is tuned is critical to writing efficient .NET code, and has a big impact on how you design your code. This talk looks at the GC in terms of how it works and is tuned and gives recommendations that will either help or hinder the GC.</p>	<p>Targeting mobile devices with HTML5 and CSS 3</p> <p>ROBERT BOEDIGHEIMER Mobile device adoption rates have been amazing, including smartphone sales passing sales for PCs. Does your web site work well on mobile devices? Do you want to leverage your web development skills to provide mobile solutions to a broad range of devices rather than learn how to develop in multiple languages for multiple device platforms? Learn how HTML5 and CSS 3 are dramatically changing the capabilities of web sites on mobile devices, and how you can adapt your web site to be not just available but efficient across a broad array of devices.</p>	<p>When is a bool not a bool? Understanding the WinRT type system</p> <p>DAVE WHEELER WinRT works with a broad range of languages through the use of projections. And most of the time a JavaScript, .NET or C++ developer won't really need to care. But there are a number of issues that need to be understood when dealing with different languages. So come to this session to find out why there's a new string type and how it actually works. Why arrays work the way they do. And why a 64bit integer may not be the best choice for an API parameter.</p>	<p>Model binding in ASP.NET MVC</p> <p>SCOTT ALLEN Model binding is the magic in ASP.NET MVC that can bring together information in an HTTP request with the model objects you manipulate in code. Once you know how to take advantage of model binding you'll write less code in your application. In this session we'll look at model binding as it applies to validation, model state, and building model objects. We'll explore the recursive nature of model binding, build a custom model binder, and look at some of the subtleties and magic you should avoid (or utilise) in your application.</p>	<p>Real-world experiences with Windows Azure</p> <p>CHRISTIAN WEYER No doubt: cloud computing is here. And we as .NET-branded developers can participate in the big game with the Windows Azure platform. In this session Christian reports first experiences from real world projects and demonstrates a couple of lessons-learned and various good practices. A number of things are very different when you are running on a Platform-as-a-Service (PaaS) like Windows Azure and the earlier you know and think about them the better it will be for your eventual cloud success. Come and hear about Azure-related topics like cost-oriented architecture, development & deployment, diagnostics & monitoring, optimisations or handling databases.</p>	<p>Cognitive biases and effects you should know about</p> <p>KEVLIN HENNEY In software development, developers, architects and managers often like to think of themselves as rational and clear thinking, not prone to the chaotic and contradictory thinking they see at home, in politics or in the world of business. Although it is possible to get further from the truth than this, it is not likely. Those involved in software development are just as human as people in other walks of life, and are just as subject to the cognitive biases and effects that skew, truncate and bypass clear thinking. The effects on rationality affect everything from testing to estimation, from programming to project delivery. It is easier to see and react to these effects in yourself and others when you know what some of them are.</p>	<p>Rediscovering Scrum: an exercise of refinement</p> <p>DAVID STARR Knowing the rules of chess doesn't equip you with strategies to win the game, much less make you a chess master. Many Scrum teams struggle to simply understand the rules and never consider longer-term strategies for success. Indeed, of the thousands of organisations using Scrum, only a small group of them realise the true benefits that Scrum offers. To address this epidemic of waste, Scrum itself has been refined to focus more on empiricism and self-organisation. This refinement was recently published in the Scrum Guide 2011, which was the focus in the last year of my work with Scrum's co-creator, Ken Schwaber. This interactive session illustrates how Scrum has matured by having participants identify the needed changes themselves and share experiences that illustrate how Scrum is often misapplied. We'll learn from each other how to tune our teams for success with a new and deeper understanding of Scrum itself.</p>	<p>Extended Events and the new Profiler in SQL Server 2012</p> <p>BOB BEAUCHEMIN Extended Events made its appearance in SQL Server 2008, but in SQL Server 2012, these lightweight events have been expanded. All of the events and fields available in SQL Profiler are now available in Extended Events as well as a graphic user interface, covering more use cases and enabling new debugging opportunities. After a quick review of how Extended Events work, I'll cover the enhancements in detail. In addition to more events, Extended Events also exposed in the SQL Server 2012 PowerShell provider and SMO, and I'll show working with Extended Events in PowerShell.</p>	<p>Total development management with Visual Studio 11</p> <p>RICHARD ERWIN Visual Studio 11 aims to unite everyone involved in a development project. This session will look at how designers, developers, testers and operators can easily collaborate to avoid duplication of effort and improve productivity.</p>
17.30	CLOSE								

Conference sessions

THURSDAY 29TH MARCH 2012



	TRACK 1	TRACK 2	TRACK 3	TRACK 4	TRACK 5	TRACK 6	TRACK 7	TRACK 8	TRACK
09.30	IntelliTrace: today and tomorrow BRIAN A. RANDELL Microsoft's IntelliTrace feature is a godsend for finding bugs quickly. In this session, you'll learn how to you can debug better and faster using Visual Studio 2010's core features as well as IntelliTrace. In addition, you'll learn about the new changes in the next release including using it for production bug finding – something that's brand new for the next release.	Practical Reactive Extensions JIM WOOLEY With the emergence of LINQ, we discovered the power and flexibility that comes from the IEnumerable interface. This pull model makes iterating over sets of data and performing filtering, transformation, and aggregation operations easy through LINQ. However, the pull model breaks down in asynchronous and event driven environments. In evaluating the options, we discovered that the IObservable interface and the push model were effectively analogous to the pull model of IEnumerable. As a result, we can make event driven asynchronous programming easier and more declarative by using the Reactive Framework and LINQ to Events.	The Metro design language DAVE WHEELER Metro-styled applications are new, exciting, and work differently from previous Windows applications. This session takes a deep look at the core design principles of Metro; the beauty of the typography; the clean layout; the fluid nature of the application; the simplicity of touch. Metro is far more than just a new way of coding applications; it is a way of communicating beautifully with a user. Come to this session to find out how.	Improving testability in ASP.NET Web Forms with MVP DINO ESPOSITO ASP.NET Web Forms is not exactly an environment that makes it easy to automate testing. Most of the time, you need to resort to ad hoc tests specifically architected to speed up testing of ASP.NET Web Forms pages while making it cost effective. With a bit of refactoring, however, you can redesign the structure of individual pages to match the guidelines of the Model-View-Presenter pattern. This gives you an immediate benefit in terms of increased capabilities to test the code behind your pages through popular testing tools. At the same time, it improves the design of pages adding more separation of concerns. Being view-focused, the MVP pattern is not necessarily a pattern that applies to the application as a whole but can be instead applied piecemeal to a few related pages at a time. In this session, you'll see an end-to-end MVP solution that improves the design of a sample Web Forms page.	Smart UX design for smart phones TOBIAS KOMISCHKE Designing for smart phones is not the same as designing for desktop or web applications. While many fundamental user experience design principles can be applied 1:1, there are unique factors that impact the UI design. This session provides concrete and applicable design considerations specifically for smart phones. The following topics will be addressed together with examples: <ul style="list-style-type: none"> • Special considerations for small form factors (navigation & user flow, providing orientation, rich interactions, notifications vs. alarms, data entry, text size etc.) • Special considerations for the context of use (one hand usage, usage while walking, contrast and glare effects, environmental noise impact) • Ways to mitigate the drawbacks of touch screens; recommendations on gestures and touch target sizes, etc. • Walking the line between ideating novel design and adhering to phone OS UI guidelines such as Microsoft's Metro style guide. 	Programming with GUTs (Part I) – good unit tests inside and out KEVLIN HENNEY These days testing is considered sexy for programmers. But there is a lot more to effective programmer testing than the fashionable donning of a unit-testing framework: writing Good Unit Tests (GUTs) involves a lot more than knowledge of assertion syntax. Testing represents a form of communication and, as such, it offers multiple levels and forms of feedback, not just basic defect detection. Effective unit testing requires an understanding of what forms of feedback and communication are offered by tests, and what styles encourage or discourage such qualities. What style of test partitioning is most common, and yet scales poorly and is ineffective at properly expressing the behaviour of a class or component? What styles, tricks and tips can be used to make tests more specification-like and scalable? This session uses C# and NUnit to examine what it takes to program with GUTs.	The frustrated architect SIMON BROWN The IT industry is either taking giant leaps ahead or it's in deep turmoil. On the one hand we're pushing forward, reinventing the way that we build software and striving for craftsmanship at every turn. On the other hand, we're continually forgetting the good of the past and software teams are still screwing up on an alarmingly regular basis. Software architecture plays a pivotal role in the delivery of successful software yet it's frustratingly neglected by many teams. Whether performed by one person or shared amongst the team, the architecture role exists on even the most agile of teams yet the balance of up front and evolutionary thinking often reflects aspiration rather than reality. If we really do want to succeed, we need to get over our fascination with shiny new things and starting asking some questions. Does agile need architecture or does architecture actually need agile? Have we forgotten more about good software design than we've learnt in recent years? Does any of this matter if we're not fostering the software architects of tomorrow? How do we move from frustration to serenity?	Mission-critical SQLCLR – internals and best practices BOB BEAUCHEMIN This talk covers the internal of how SQL Server CLR support works to give you the knowledge to architect and troubleshoot SQLCLR-based database applications, and includes the SQLCLR improvements in SQL Server 2012. Because SQL Server procedural code (stored procedures, UDFs and triggers) can now be written in T-SQL or .NET languages, I'll also focus on what happens when .NET CLR code accesses the database and discuss which coding language is a better choice for a given problem. Finally I'll look at how changes in SQL Server 2008/2012 SQLCLR may affect your choice.	Take your development to the Cloud with the Team Foundation Service GILES DAVIES & RICHARD ERWIN This session takes a detailed look at the new Team Foundation Service that brings together Team Foundation Server and Windows Azure. We will demonstrate how simple it is to get up and running with the service, the streamlined version control, issue tracking and support for cross-platform teams.
11.00	COFFEE BREAK								
11.30	Storyboarding in Visual Studio 11 BRIAN A. RANDELL Building the right user experience for your users requires that you define the user interface and workflow in a way that solves their needs. In the past, developers have tried to prototype the UI using the actual tooling that they planned to build the application in. However, rather than make the process better, it made it worse by confusing users about quality of the application and overall readiness. In the next release of Visual Studio, Microsoft is introducing a new storyboarding tool that you can use to define the user experience and workflow of a new application that's independent of the final implementation details. You'll see how to use it, create a feedback cycle, and link it into Team Foundation Server.	Dynamic consumption in C# 4.0 OLIVER STURM C# 4.0 supports the new "dynamic" keyword, which promises easy interaction with those parts of the programming world that are, well, dynamic in nature. In this session, Oliver walks you through several scenarios, interfacing with dynamic programming languages as well as Automation, and explaining some of the basics of how dynamic calls work in C#.	What's new in WPF 4.5? DAVE WHEELER WPF keeps going from strength to strength, and the latest version contains a bunch of improvements, primarily focused on enhancing performance. WPF is still the leading UI technology for building large, desktop LoB applications on Windows. So if you want to find out what's new and improved in WPF, then you should come to this session. Note: This session assumes that you have prior experience with WPF.	Single-Sign-On, Federation and Claims for ASP.NET and WCF in the .NET Framework 4.5 DOMINICK BAIER Starting with .NET 4.5, Microsoft has integrated the functionality and APIs of the Windows Identity Foundation right into the Base Class Library (including WS-Federation and WS-Trust). This means that every identity across all contained technologies is now claims-based. ASP.NET and WCF have the WIF API built-in which allows for Single-Sign-On, Federation and token based authentication out of the box. Furthermore .NET 4.5 includes a new approach to identify transformation and claims-based authentication. Since this is now the default model, every developer dealing with authentication and authorisation should be prepared.	Patterns of mobile application development DINO ESPOSITO A mobile device is perhaps used like a laptop, but has quite different characteristics – memory, battery, connectivity, screen real-estate, input devices, sensors, processing power. All this makes writing an application a different type of challenge and requires a different set of design patterns. In this talk, we'll identify the general types of mobile applications you can write and isolate a few common patterns that can be applied to any mobile platforms although, perhaps through a different API. We'll talk about local storage, predictive fetch, visual feedback for the user, managing connectivity, storage of sensitive data and more.	Programming with GUTs (Part II) – putting some drive into your tests KEVLIN HENNEY Talking about unit tests is all very well, and can be motivating, but describing them and how you get them is one thing and seeing simple code evolve alongside tests is quite another. This second part of the talk switches from slides to coding to illustrate the principles and practices in action. There will be plenty of opportunity to ask questions as the session progresses.	4 practical uses for Domain Specific Languages NEAL FORD Domain Specific Languages seem like a cool idea, but where's the payoff? This talk provides an overview of how to build both internal and external DSLs (including the state of the art tools), stopping along the way to show how this is practical to your day job. This talk defines DSLs, distinguishes the types of DSL, and shows examples of building DSLs of several kinds. It shows how to utilise DSLs for externalising configuration, how to make your code readable to humans, how DSLs make developer tools better (and how to use DSL techniques to build your own tools), and how DSLs can provide your users unprecedented flexibility and power, by building DSLs customised to their job. This talk provides a good foundation for the subject if you've never seen anything about it, but keeps the focus on practical goals.	Understanding SQL Server execution plans KLAUS ASCHENBRENNER Do you know SQL Server execution plans? Yes! – and can you read/analyse them? No... For the beginner it is not very easy to understand and explain execution plans generated by SQL Server for your queries. Therefore this session gives you an overview and understanding about SQL Server execution plans and how you can read them without devouring complete books. You will see the basic constructs of an execution plan, and how SQL Server uses them to translate your SQL based query to an internal format which is executed by the execution engine of SQL Server. After this session you are able to understand and analyse execution plans generated by your queries, and how you can tune them with the adoption of additional indices. You will also see which additional information about your queries an execution plan will expose to you.	Agile development with Visual Studio 11 GILES DAVIES A walk through of a sprint demonstrating how the next version of Visual Studio supports Agile development with a specific look at backlog management, prioritisation, sprint planning and capacity management, together with a look at the unit testing features including Test Driven Development and new features such as continuous unit testing.
13.00	LUNCH								



	TRACK 1	TRACK 2	TRACK 3	TRACK 4	TRACK 5	TRACK 6	TRACK 7	TRACK 8	
14.00	<p>M-V-VM from the ground up</p> <p>DAVE WHEELER</p> <p>M-V-VM (or Model, View, ViewModel) is a critical pattern for modern Metro, WPF and Silverlight development. But how do you actually do it? And what are the benefits?</p> <p>This hard core, deep dive session will examine all aspects of the M-V-VM pattern; its benefits, problems, consequences, and all of its warts.</p> <p>This session is a must for anyone working in a modern Metro or .NET application environment.</p>	<p>Dynamic C# 4.0 – the provider side</p> <p>OLIVER STURM</p> <p>The integration of dynamic features in C# 4.0 is based on clever architecture that hooks into the DLR. Therefore, the APIs are complex (and well designed!) enough to allow for extensions, so that C# programmers can create their own dynamic classes, either to implement fully dynamic structures for use on the "static side" of .NET programming, or to provide APIs to dynamic languages. This session provides several practical examples.</p>	<p>The busy developer's guide to Team Foundation Server 2010 version control</p> <p>BRIAN A. RANDELL</p> <p>Writing code is one thing. You can do it with Notepad. Yet writing code in a team with version control is another. In this session, you'll learn how to use Team Foundation Server 2010's version control system right. You'll learn the standard operations like check-out, check-in, getting the latest and getting a specific version. You'll learn about workspaces, how to track file and folder history and how to compare versions. You'll understand how to use features like shelving for interrupted workflow and code review as well as the command-line in the core product and the Power Tools. And you'll learn how to handle conflicts when checking in code that someone else has modified at the same time. At the end of this session, you'll have the foundation to use version control as easily as you use your code editor of choice.</p>	<p>jQuery tips and tricks</p> <p>ROBERT BOEDIGHEIMER</p> <p>jQuery continues to become more popular, and provides the ability to create very dynamic web pages easily, despite differences in browsers. Take advantage of jQuery to make Ajax calls without requiring full page postbacks. Discover many popular plugins that provide masked edit boxes, cycle through images, provide dialog boxes, and implement drag and drop. Save yourself time by learning the best features of jQuery, and some tips and tricks to utilise it to the fullest.</p>	<p>Reactive Extensions for JavaScript</p> <p>JIM WOOLEY</p> <p>The Reactive Extensions allow developers to build composable, asynchronous event-driven methods over observable collections. In web applications, you can use this same model in client side processing using the RxJS framework. We'll show you how you can take advantage of this framework to simplify your complex asynchronous client side operations.</p>	<p>Loosely coupled messaging with Windows Azure Service Bus</p> <p>CHRISTIAN WEYER</p> <p>It is no secret that decoupled messaging is a powerful design pattern and architecture candidate to build scalable and robust distributed application systems. This goal is even more important if you want to design architectures that run in and on the cloud trying to leverage the full power of (for example) Windows Azure. The Service Bus from the Windows Azure AppFabric offers durable message queues and a publish-and-subscribe-style feature through either WCF or a pure HTTP REST APIs. All with a reasonable pricing model to be used by you for all kinds of application communication scenarios, potentially spawning several technology platforms.</p>	<p>Successfully continuing Agile development of a product to v3 and beyond</p> <p>MARK WIGHTMAN & MATT TURNER</p> <p>Getting to v1 of a product using agile techniques is fairly well understood, but how do you manage its continuing development into maturity? We look at the lessons learned from that journey to v1, and how we applied them to get to v3. With the second year of development came many new challenges – a changing team, multiple teams, a complex codebase and an existing userbase expecting high-quality product updates. In this talk we explore how all of these problems can be solved with agile techniques, and the pitfalls which you may encounter.</p> <p>After a short intro to the product in question, we will take a critical look at our approach to the development of v1 (and bravely invite the audience to do the same!), followed by a section on the lessons we thought we'd learned, how we changed our approach as a result, and whether any of it worked.</p>	<p>Full text and semantic search in SQL Server 2008 & 2012</p> <p>BOB BEAUCHEMIN</p> <p>This talk covers the architecture of SQL Server Full text search in SQL Server 2008 and some major improvements in SQL Server 2012. Though Full text search has been an optional component of SQL Server since SQL Server 7, it was re-architected in SQL Server 2008/2012 for best performance. It provides special components, indexes, and T-SQL functions that allow semantic queries and relevance ranking of unstructured data in addition to traditional T-SQL LIKE operations that implement string-based queries. SQL Server 2012 adds property-based searches and new word-proximity operators and also Semantic Search as an adjunct to FTS. Finally I'll cover the new parsing and other DMVs that make FTS less of a "black-box" and assist troubleshooting in SQL Server 2008.</p>	<p>Externalising authentication with the Windows Azure Access Control Service</p> <p>STEVE PLANK</p> <p>ACS lets you wire up your Windows Azure based application to external Identity Providers such as Live ID, Google, Yahoo, Facebook and even your own Corporate Active Directory. But there are a few basics and some terminology to get fully to grips with before you can understand what is going on. This session discusses the language and vocabulary of digital identity and then applies that understanding to a concrete example – a Windows Azure application which uses ACS. It uses a demo to show what you need to do in the application and what you need to do to ACS to complete the wiring. Just about every user on the Internet already has a Live ID, Google, Yahoo or Facebook account. This is a great way to tap that pool of potential users for your own Internet applications.</p>
15.30	COFFEE BREAK								
16.00	<p>Advanced M-V-VM</p> <p>DAVE WHEELER</p> <p>Most M-V-VM demos stop with a single Model, View and ViewModel. Not this session. We'll take a hard look at multiple ViewModels; central commanding (such as File, Save All); isolation and testing; secondary UI and interaction between a View and a ViewModel; and robust and reliable messaging.</p>	<p>What?? C# could do that?!</p> <p>SHAY FRIEDMAN</p> <p>.NET 4 has brought us the DLR and C# 4 has brought us the dynamic keyword. With their powers combined, C# suddenly gets super powers! In this session Shay Friedman will show you surprising and practical things you can do with C#, the dynamic keyword, the DLR and IronRuby!</p>	<p>What's new in Team Foundation Server 11</p> <p>BRIAN A. RANDELL</p> <p>The next release of Team Foundation Server promises to provide teams with a rich set of enhanced features. In this session, you'll learn about the new features like the new Team Explorer, code review tooling, rewritten code merge tool, local workspaces, rollback in the UI, and more.</p>	<p>A developer's guide to web images</p> <p>ROBERT BOEDIGHEIMER</p> <p>Most web developers have only a casual understanding of image formats and how to optimise images for web sites. Learn which image formats are appropriate for different types of images (logos, photos, etc). Discover various techniques for improving the performance of your site by serving images from a CDN, CSS Sprites, hosting images on multiple domains, and other approaches. Web developers understand HTML, CSS, JavaScript, jQuery and other frameworks, why not review how to best utilise images as well.</p>	<p>An introduction to node.js</p> <p>HADI HARIRI</p> <p>Have you heard of node.js in passing, but you're not really sure what it is and why it matters? Come to this session to find out. We'll start at the very beginning and explain what node.js is, why it's useful and how to get up and running. Microsoft is investing time and money into node.js by helping port it to Windows, and with recent announcements of Windows 8 and its heavy integration with JavaScript, now's definitely the time to start picking up node.js.</p>	<p>Agile engineering practices</p> <p>NEAL FORD</p> <p>Most of the time when people talk about agile software development, they talk about project and planning practices but never mention actual hands-on-keys, as if development were an afterthought when writing software. This talk drills into the real details of how to do agile engineering. I discuss best practices like continuous integration, pair programming, how developers should interact with story cards, how to handle enterprise concerns like integration with other software packages, and a slew of other topics related to agile software development.</p>	<p>Patterns and approaches for securing web services and APIs</p> <p>DOMINICK BAIER & CHRISTIAN WEYER</p> <p>The service pattern is pervasive – either operation centric (aka SOAP) or resource centric (aka REST). The security challenges are the same in both worlds – authentication, authorisation and secure communication. Common scenarios are direct authentication (like passwords or client certificates) as well as brokered authentication where the identity provider is external. This talk walks through those common scenarios and shows the architectural and technical approaches to design and implement those services in a secure fashion.</p>	<p>SQL Server query tuning</p> <p>KLAUS ASCHENBRENNER</p> <p>If you have a database driven application which reacts very slowly when the data increases, then you need to be in this session! You will learn how you can tune SQL Server queries with the information available inside an execution plan. You will see how SQL Server retrieves data from the database file, how SQL Server can join resultsets, and how you can react with indices if you are in performance troubles.</p> <ul style="list-style-type: none"> • JOIN techniques used by SQL Server • Table/Index scan vs. Index Seek • Avoiding Bookmark-Lookups • Index Usage 	<p>Metro design: concepts for developers</p> <p>DAVE CRAWFORD</p> <p>The Metro Design Language represents a fresh, new way to create user interfaces. Drawing inspiration from sources such as print materials and way-finding graphics as well as earlier Microsoft products like Windows Media Center and Zune, Metro has an emphasis on simplicity and sits at the very heart of the Windows Phone, Xbox, and Windows 8 user experiences.</p> <p>In this session we'll explore Metro from a developer's perspective, using Windows Phone as the target platform. We'll look at what it means to create a Metro application that blends seamlessly with the OS and native applications. We'll explore key components and best practices and in particular we'll look at these things in action, with a plethora of demos of great Metro apps.</p>
17.30	CLOSE								

Post-conference workshops

FRIDAY 30TH MARCH 2012

The following workshops run for a full day (from 09.30 to 17.30), with a short break in the morning and afternoon, and a lunch break at 13.00.

Unless otherwise noted in the descriptions, they are presentation-based rather than “hands-on” labs.

Pragmatic .NET architecture

WORKSHOP REF: F1

OLIVER STURM

Planning application architecture is a complex task which requires detailed understanding of the technological platforms you're targeting. This whole-day workshop leads you through the process of creating an architectural concept for a medium-sized distributed .NET application: data access, distribution, services, layering concerns, UI platforms and presentation patterns – every topic is considered. Oliver lets you participate and benefit from his experiences from project work and consulting – architects, programmers and owners of other job titles are equally welcome!

Effective sketches

WORKSHOP REF: F2

SIMON BROWN

A collaborative approach to software architecture fits in well with agile's collective ownership of the code, yet most people don't get to practice the software design process all that often.

Where do you start? How do you communicate your design? UML or block diagrams? How much detail should you include? Technology decisions included or omitted?

Join us if you want to practice software design and learn about how to communicate it through a collection of simple effective sketches.

Continuous Delivery

WORKSHOP REF: F3

NEAL FORD

Getting software released to users is often a painful, risky, and time-consuming process. This workshop sets out the principles and technical practices that enable rapid, incremental delivery of high quality, valuable new functionality to users. Through automation of the build, deployment, and testing process, and improved collaboration between developers, testers and operations, delivery teams can get changes released in a matter of hours – sometimes even minutes – no matter what the size of a project or the complexity of its code base.



In this workshop we take the unique approach of moving from release back through testing to development practices, analysing at each stage how to improve collaboration and increase feedback so as to make the delivery process as fast and efficient as possible. At the heart of the workshop is a pattern called the deployment pipeline, which involves the creation of a living system that models your organisation's value stream for delivering software. We spend the first half of the workshop introducing this pattern, and discussing how to incrementally automate the build, test and deployment process, culminating in continuous deployment.

In the second half of the workshop, we introduce agile infrastructure, including the use of Puppet to automate the

management of testing and production environments. We'll discuss automating data management, including migrations. Development practices that enable incremental development and delivery will be covered at length, including a discussion of why branching is inimical to continuous delivery, and how practices such as branch by abstraction and componentisation provide superior alternatives that enable large and distributed teams to deliver incrementally.

Patterns and principles that matter in .NET

WORKSHOP REF: F4

DAVE WHEELER

Patterns come in all shapes and sizes. From the GoF Design Patterns for structuring object-oriented code through to some of Martins Fowler's Patterns of Enterprise Application Architecture, patterns are everywhere.

And, to be frank, some are more important than others.

In this fun (and heavily code-oriented day), we'll work through numerous patterns and see how they impact your code and architecture. There'll be a trip into the world of Inversion of Control (IoC) and Dependency Injection (DI), and how this helps support testing and maintainability.

There'll be Models, Views, Controllers and even ViewModels hanging out in the presentation tier. We'll step into the world of the Repository Pattern, with a side order of Unit of Work, and how that helps isolate our domain model from our underlying database.

And we'll look at different approaches to constructing





the business logic layer, analysing their pros and cons.

This is a highly practical, code and best-practice focused day for developers and architects that want to ensure that they're building solid, maintainable and testable code.

A day of unit testing

WORKSHOP REF: F5

KEVIN JONES

Unit testing has become more prevalent over the last few years as more and more teams have come to realise the importance of ensuring code has some degree of test coverage. Developers are aware that code quality is an important issue and that to get high quality code they often need to refactor. Refactoring safely requires unit tests. We will spend the day looking at unit testing, how to write a unit test, how to test external resources such as databases and web services, how to work with legacy code and how to ensure that your code is designed to be tested.

Hands-on Scrum immersion workshop

WORKSHOP REF: F6

DAVID STARR

This practical and interactive workshop equips attendees to get started with Scrum or tune up existing implementations. Students get to practice using the Scrum framework in this scenario-based workshop while discovering how to implement Scrum effectively and keep their team practicing healthy behaviours.

Attendees will actually make software in this workshop, so



bring a laptop. But, don't think this is just for coders! This workshop is a subset of the official Scrum.org Professional Scrum Foundations class and is a great way for anyone to learn what Scrum is by experiencing it in a classroom environment.

David Starr is Chief Software Craftsman for Scrum.org, where he focuses on improving the professionalism of software development.

SharePoint 2010 workshop for developers

WORKSHOP REF: F7

SAHIL MALIK

In this day-long workshop, Sahil walks you through numerous real world challenges and solutions you will encounter in working with SharePoint 2010. Throughout, Sahil will talk about real world approaches by demonstration of better and more maintainable code structure, and solution architecture in various SharePoint projects. Following is an outline of what will be covered:

- Writing Code for SharePoint
- Writing Pages and Webparts
- Client side technologies

- Content Organisation and Data Management in SharePoint
- Enterprise Content Management in SharePoint
- Business Connectivity Services
- Workflows
- Business Intelligence
- SharePoint Security

LINQ and the Entity Framework

WORKSHOP REF: F8

SCOTT ALLEN

Language Integrated Query (LINQ) introduced fundamental changes to the techniques .NET developers use to access data.

In this all-day tutorial, we will uncover the foundations of LINQ using the C# language, and see how to apply LINQ to objects, XML, and relational databases.

We'll reserve a special focus for the ADO.NET Entity Framework to see not only how it works (including the new code-first features), but how to follow best practices for performance and testability.

Data Quality and Master Data Management with SQL Server 2012

WORKSHOP REF: F9

DEJAN SARKA

Data is the key asset of a company. Companies want to gather information from the data; therefore, they start BI projects. However, most BI projects have to deal with problems with data quality (DQ). Data quality can be a huge obstacle for a successful BI project. Of course, line of business applications suffer from poor data quality as well.

Every company has part of the data which is used everywhere, in every transaction, like customer data, product data and so on. Such data is called master data. People who manage master data are often called data stewards. Processes and activities for maintaining master data are known as Master Data Management (MDM). In this seminar, we are going to discuss MDM problems and solutions and introduce Microsoft tools for DQ and MDM, including Data Quality Services (DQS) and Master Data Services (MDS).

Modules include:

- Module 1: Introduction to Master Data Management
- Module 2: Data Quality Services
- Module 3: Data Profiling in Depth
- Module 4: Master Data Services
- Module 5: Identity Mapping and De-Duplicating

Attendees should already be familiar with Transact-SQL and BI suite in SQL Server 2008 (R2).



Speakers



Dave Wheeler

Dave is an independent software consultant specialising in Microsoft .NET technologies. He's particularly fond of WPF and Silverlight, but to remain grounded in reality he also works extensively with ASP.NET and is a moderator on Microsoft's ASP.NET forums. When not writing software, Dave writes and teaches various .NET courses for DevelopMentor, writes articles and speaks at various conferences.
coloringuguy.com



Scott Allen

Scott is a member of the technical staff at Pluralsight, where he focuses on connected systems and web development. He has worked on everything from 8-bit embedded devices to large scale web sites during his 15+ years in commercial software development. Since 2001, Scott has focused on server-side and web technologies, like ASP.NET, ASP.NET AJAX, Windows Workflow, Silverlight, and LINQ. He is a regular speaker at conferences like VSLive!, as well as code camps and user groups. Scott has been recognised as a Microsoft MVP since 2005, and has written or co-authored several books on Microsoft technologies. He founded the site OdeToCode.com in 2004, and joined Pluralsight in 2007.
www.pluralsight.com



Jeff Prosize

Jeff is cofounder of Wintellect (www.wintellect.com), a developer consulting and education firm that provides services to companies all over the world. He has written nine books and hundreds of magazine articles on computer programming, and today focuses most of his energy on Web technologies such as HTML5 and Silverlight, as well as on writing applications for Windows phones and Windows 8 Metro. A reformed engineer who discovered after college that there's more to life than computing loads on mounting brackets, Jeff is known to go out of his way to get wet in some of the world's best dive spots and to spend way too much time building and flying R/C aircraft.
www.wintellect.com



Christian Weyer

Christian is co-founder of thinkecture, a European company aiding and supporting software architects and developers in designing and implementing distributed solutions. He has modelled and implemented distributed applications with Java, COM, DCOM, COM+, Web Services and other technologies over the years, and recently he has been focusing on the ideas and concepts of service-orientation and their practical translation in customer projects, primarily using Windows Communication Foundation (WCF) and Windows Workflow Foundation (WF).
www.thinkecture.com



David Starr

David is a technical instructor with Pluralsight where he focuses on the Visual Studio platform, Application Lifecycle Management (ALM), agile software development and practices in .NET. His passion is helping software development teams improve their software, their practices, and their culture. David is certified as a Professional Scrum Developer Trainer through Scrum.org, and has been practicing iterative and incremental development in real-world teams for several years. He has also led teams in continuous flow, or Lean, development models. He is a Microsoft Visual Studio ALM MVP and host of the Pluralcast podcast. In addition, he is a Principal Software Craftsman with Guild 3 Software. David is the founder of ElegantCode.com. He has successfully led product development teams and held numerous positions including Chief Software Architect and Director of Product Development.
www.pluralsight.com



Andrew Clymer

Andy is a freelance IT consultant specialising in .NET-based technology. His last 'real' job was at Cisco Systems, where he was a lead architect for Cisco's identity solutions. Prior to Cisco he worked in various small start-ups. He teaches various .NET courses for DevelopMentor, including Guerrilla .NET and Essential .NET.
rocksolidknowledge.com



Neal Ford

Neal is an application architect at ThoughtWorks, a global IT consultancy with an exclusive focus on end-to-end software development and delivery. He is also a designer and developer of applications, instructional materials, magazine articles, courseware, video/DVD presentations, and author of various books including *The Art of Java Web Development* and the 2006 *No Fluff, Just Stuff* anthology. His primary consulting focus is the building of large-scale enterprise applications. He is a regular speaker at various conferences worldwide.
www.nealford.com



Dominick Baier

Dominick leads the security curriculum at DevelopMentor. This includes teaching and authoring courses about .NET, ASP.NET, WinFX, and 'Vista' security. He holds a degree in Computer Science, is a certified BS7799/ISO17799 Lead Auditor, and speaks at various conferences around the world about application security. When not teaching he spends his time researching security, doing audits and penetration tests, and helping other developers worldwide to build more secure applications. Currently he is writing a book about ASP.NET security for MS Press. Dominick is a Microsoft MVP in the 'Visual Developer - Security' category.
www.leastprivilege.com



Kevlin Henney

Kevlin is an independent consultant and trainer based in the UK. His development interests are in patterns, programming, practice and process. He has been a columnist for various magazines and web sites, including Better Software, The Register, Application Development Advisor, Java Report and the C/C++ Users Journal. Kevlin is co-author of *A Pattern Language for Distributed Computing* and *On Patterns and Pattern Languages*, two volumes in the Pattern-Oriented Software Architecture series. He is also editor of the *97 Things Every Programmer Should Know* site and book.
www.curbalan.com



Oliver Sturm

Oliver Sturm is an associated consultant at thinkecture and a course author at Pluralsight. He is a well-known author of training classes and articles, a regular speaker at world-wide developer conferences, an expert on programming languages, a Microsoft C# MVP, an experienced architect of .NET software solutions, and a distinguished expert in the specialised area of DevExpress UI components and frameworks.
www.oliversturm.com



Simon Brown

Simon is an independent consultant based in Jersey, the founder of Coding the Architecture and either a software architect who codes or a software developer who understands architecture. Having successfully delivered a variety of projects on the .NET and Java platforms, Simon now also uses his experience to train and coach teams in delivering better software.
www.codingthearchitecture.com



Sahil Malik

Sahil is the founder and principal of Winsmarts.com, and has been a Microsoft MVP and INETA Speaker for the past eight years. He is the author of various books and articles in both the .NET and SharePoint space, and a consultant and trainer who delivers training and talks at conferences internationally. Sahil has trained for the best names in the Microsoft technology space, and has architected and delivered SharePoint based solutions for extremely high profile clients. He has been deeply involved in SharePoint 2010, and is the author of *Microsoft SharePoint 2010: Building Solutions for SharePoint 2010*, published by Press.
www.winsmarts.com



Bob Beauchemin

Bob is a database-centric application practitioner and architect, instructor, course author, writer, and developer skills partner for SQLskills. Over the past few years he's been writing and teaching his SQL Server 2005 and 2008 courses to students worldwide through the Ascend program, the Metro (SQL Server 2008 Jumpstart) program, and client-focused classes. He is lead author of the books *A Developer's Guide to SQL Server 2005* and *A First Look at SQL Server 2005 For Developers*, and author of *Essential ADO.NET*, and he has written articles and whitepapers on SQL Server and other database technologies for MSDN, *SQL Server Magazine*, and other publications. Bob appears regularly as a speaker at SQL Connections and TechEd in the US and Europe.
www.sqlskills.com/blogs/bobb/



Robert Boedigheimer

Robert has been designing and developing web sites for the past 13 years, including the early days of ASP and ASP.NET. He is a columnist for aspalliance.com, an ASP.NET MVP, an 'early achiever' MCSDF for .NET with C#, an MCPD: Web with C#, and a 2nd degree black belt in Tae Kwon Do. Robert has spoken at industry conferences including TechEd, AJAXWorld and VSLive. He works for Schwans Shared Services, providing business solutions with web technologies, and leads Robert Boedigheimer Consulting, LLC.



Richard Blewett

Richard is a founder of Rock Solid Knowledge Ltd, a UK based consultancy. He mainly focuses on technologies that enable developers to build large-scale systems on the Microsoft platform such as WCF, BizTalk, Workflow and Azure. He is a Connected Systems MVP and can often be found helping people on various newsgroups, mailing lists and web forums. Richard is a well-known conference speaker having spoken at TechEd, DevWeek, Software Architect, BASTA! and Oredev. He is also a DevelopMentor instructor, where he writes and teaches material on core .NET, WCF, Workflow and a whole range of other technologies.
rocksolidknowledge.com



Hadi Hariri

Hadi is a developer, speaker, podcaster and technical evangelist at JetBrains. His passions include software architecture and web development. A book author and frequent contributor to developer publications, Hadi has been speaking at various industry events for over a decade. He is based in Spain where he lives with his wife and two sons, and runs the .NET Malaga User Group. He is also a C# MVP.
hadihariri.com



Shay Friedman

Shay is a Visual C#/IronRuby MVP and the author of *IronRuby Unleashed*. With more than 10 years of experience in the software industry, Friedman now works for CodeValue, a company he has co-founded, where he creates products for developers, consultants, and conducts courses around the world about dynamic languages and web development.

IronShay.com



Dino Esposito

Dino is a trainer and software consultant based in Rome. A member of the IDesign team, he specialises in Microsoft .NET technologies, and spends most of his time teaching and consulting across Europe and the USA. He has hands-on experience in architecting and building distributed systems for banking and insurance companies. A prolific author, Dino writes columns for various magazines, and has written a number of books on various cutting-edge topics. An ASP.NET MVP, he regularly speaks at industry conferences around the world, including TechEd, DevConnections, Software Architect and DevWeek.

weblogs.asp.net/despos



James Hughes

James is a technical architect at Kainos Software Ltd. He is the technical head of Kainos' Microsoft Capability, as well as being responsible for leading developer engagement throughout the company. He is a fan of lightweight techniques and

technologies, and insists on proper justification for all technology decisions. When not in work James likes blogging on new and interesting technologies via his blog (yobriefca.se).

www.kainos.com



Dejan Sarka

Dejan focuses on development of database and Business Intelligence applications. Besides projects, he spends about half of his time training and mentoring. He is the founder of the Slovenian SQL Server and .NET Users Group, and is the main author or co-author of eight books about databases and SQL Server. Dejan has also developed two courses for Solid Quality Mentors – Data Modeling Essentials and Data Mining with SQL Server 2008.

www.solidq.com



Kevin Jones

Kevin is part of Rock Solid Knowledge, a UK-based firm offering consultancy, training and mentoring in .NET and Java technologies. He has been involved in software development and design for longer than he cares to remember, originally as a mainframe programmer and more recently developing .NET and Java applications. He's been programming Windows since Windows 1.04, and Windows 32 since the first beta release in July 1992, Java since 1996 and .NET since 2002. Kevin has been involved in training and consultancy since 1990, and helped co-found DevelopMentor UK in 1997. He was the co-author of *Code Smarter with Design Patterns in .NET* classes, and co-author of the books *Servlets and JavaServer Pages: The J2EE Technology Web Tier* and *Team Development with Microsoft Visual Studio Team Foundation Server*. He worked as an architect at Confused.com during the re-design of the website and underlying systems there. He is currently employed as a senior technical architect at LeMans Holdings plc. He could tell you what he is doing there but then he would have to shoot you.

rocksolidknowledge.com



Jim Wooley

By day, Jim is a consultant for Slalom Consulting. In his free time, he is a frequent speaker, INETA Regional Speaker, MVP, and author of *LINQ in Action*. He is always striving to stay at the forefront of technology and enjoys the thrill of a new challenge. He has been active evangelising LINQ since its announcement in 2005. In addition, he attempts to pass on the insights he has gained by being active in the community, including organising and speaking at code camps and regional events, including DevLink, DevWeek, CodeMash, CodeStock, VS Live, and MIX.

www.thinqlinq.com



Klaus Aschenbrenner

Klaus is an independent SQL Server consultant, working with companies across Europe and the US, and helping them to understand, use, and run SQL Server installations in their environments. He's worked with the .NET Framework and SQL Server 2005/2008 from the early days, and from 2004 to 2005 he was recognised as an MVP by Microsoft. Klaus is the author of *Pro SQL Server 2008 Service Broker*, which was published by Apress in 2008.

www.csharp.at



Matt Milner

Matt is a member of the technical staff at Pluralsight, where he focuses on connected systems technologies (WCF, Windows WF, BizTalk, AppFabric and the Windows Azure). He is also an independent consultant specialising in Microsoft .NET application design and development. As a writer, Matt has contributed to several journals and magazines, including *MSDN Magazine*, where he authored the Workflow content for the Foundations column. He regularly shares his love of technology by speaking at local, regional and international conferences such as TechEd. Microsoft has recognised Matt as an MVP for his community contributions around connected systems technology.

www.pluralsight.com



Matt Turner

Matt is a software engineer whose career has covered embedded C to managed languages and web technologies. He has always been interested in his managers reducing process to a bare minimum so he can get on with his work. He currently works at RedGate Software, a leading proponent of Agile development in the UK.

www.red-gate.com



Mark Wightman

Mark is head of development and project management at Red Gate Software. He has previously worked as a developer, project manager and development manager. Mark has introduced Scrum and Agile development practices to a number of companies, and has more than nine years of Agile experience. In his current role, he is responsible for inspiring Red Gate's development teams to even bigger and better things, and pushing the Agile envelope.

www.red-gate.com



Brian A. Randell

Brian is a senior consultant with MCW Technologies LLC. He's been building software for over 20 years, and spends his time speaking, teaching and writing about Microsoft technologies such as Visual Studio 2010 and Visual Studio Team System. He's a regular speaker at technical conferences around the world, including Microsoft's TechEd and PDC events.

mcwtech.com/blogs/brian



Allen Holub

Allen is an internationally acknowledged expert in OO-Design, Agile Process, Java, and Cloud-based web application development. He provides training and consulting services in those areas, and even slings code on occasion. He's spoken at numerous conferences over the years, has taught regularly for the University of California, and presents in-house classes for companies worldwide. Allen has authored nine books (including *Holub on Patterns*, *Taming Java Threads*, and *Compiler Design in C*), and 200+ magazine articles for various publications.

www.holub.com



Gary Short

Until recently, Gary worked for Developer Express as the technical evangelist on the frameworks team. He has a deep interest in technical architecture, especially in the areas of technical debt and refactoring. Gary is a C# MVP and gives presentations at user groups and conferences throughout the UK. As well as C#, he also has an interest in dynamic languages such as Smalltalk, Ruby and Python, as well as iPhone development using Objective-C.

garyshort.org



Tobias Komischke

Tobias has been working in the area of user experience for over ten years, leading projects and teams to create user interfaces in various industries. He is Director of User Experience at Infragistics, a software company which specialises in user interface development tools and services. While he is deeply familiar with all aspects of user experience, his speciality is Human Factors Engineering, which is rooted in his academic background in cognitive psychology. Tobias is a frequent speaker at various conferences and author for technical journals, magazines and blogs.

www.infragistics.com



Mike Taulty

Mike works in the Developer and Platform Group at Microsoft UK, where he has spent the past few years helping developers understand and get the best from the Microsoft platform. Prior to this, Mike spent three years with Microsoft Consulting Services as a consultant on developer technologies. Before joining Microsoft, Mike spent the previous nine years developing software for a number of enterprises, consultancies and software vendors, working with a variety of operating system, client, communication and server technologies.

www.mtaulty.com



Martin Beeby

Martin works for Microsoft UK, where he evangelises HTML5, Windows 8 and the web. He's been a developer since the late '90s and loves figuring out problems and experimenting with code.

blogs.msdn.com/b/thebeeb



Dave Crawford

Dave is a design lead in the Windows Phone Centre of Excellence at Microsoft in the UK. Passionate about innovative, well-considered design, Dave is part of a team that design reviews showcase apps for Windows Phone and helps partners and customers to deliver the best app experience on Windows Phone.

blogs.msdn.com/b/wpukcoe



Richard Erwin

Richard is an Application Lifecycle Management specialist and part of the Developer and Platform Evangelism Group at Microsoft UK. He's been with Microsoft for over ten years, starting as a developer support engineer, troubleshooting and debugging complex customer development issues. Prior to joining Microsoft, Richard was a software engineer and gained a first class degree in Computer Science.

blogs.msdn.com/b/visualstudiouk



Giles Davies

Giles works at Microsoft UK as a technical specialist covering development tools, specializing in the full Application Lifecycle Management tooling of Team Foundation Server and Visual Studio. Prior to joining Microsoft in 2008, Giles had various roles including that of developer, technical lead, software architect, consultant and project manager, and has used a range of development processes including formal methods, Rational Unified Process, and Scrum.

blogs.msdn.com/b/visualstudiouk



Mike Ormond

Mike is a developer evangelist at Microsoft UK, specialising in Windows Phone and Windows 8. He spends a lot of his time talking to people about technology; future, past and present. The bulk of the rest is spent thinking about Land Rovers. Anything else is just small change.

blogs.msdn.com/b/mikeormond



Steve Plank

Steve (or "Planky" as he is more widely known) works to broaden the message of cloud computing in his role as a cloud computing evangelist at Microsoft UK. He is an author and regular speaker at events such as RSA, Gartner, Tech.Ed and the many cloud forums that are emerging. He addresses the mix of developers and IT Pros on the technical side of the equation and also reaches out to business audiences about the relevance of the cloud to their organisations.

blogs.msdn.com/b/plankytronixx