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# VFP DEV CON 2000™ CONNECTIONS

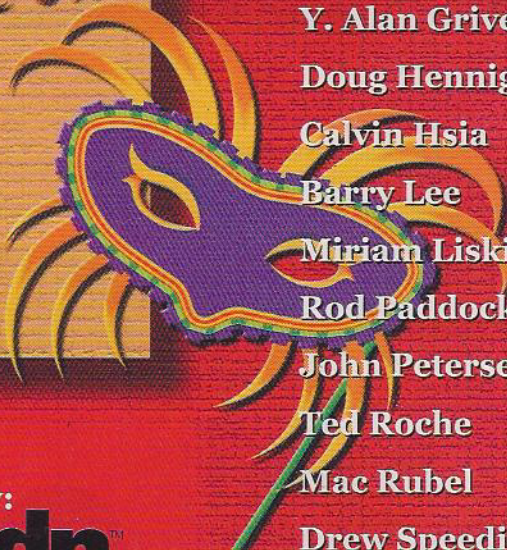
**May 14-17, 2000**  
**Sheraton • New Orleans**

Keynote presentations by:

**Robert Green**  
Product Manager  
Developer Division  
Microsoft®



**Ricardo Wenger**  
Group Manager  
Visual FoxPro team  
Microsoft®



*Join the  
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they celebrate  
moving  
Visual FoxPro  
into the new  
millennium!*

Featuring  
FoxPro Experts:

Menachem Bazian

Steven Black

Jim Booth

Randy Brown

Jim Duffy

Markus Egger

Toni Feltman

Eldor Gemst

Tamar Granor

Y. Alan Griver

Doug Hennig

Calvin Hsia

Barry Lee

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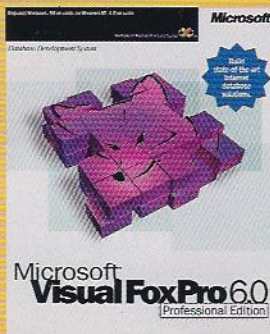
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**VFP DevCon2000** delivers a comprehensive curriculum that takes you from start to finish – No matter what the application.

You will see how, learn how and leave knowing how to :

- **Leverage** your Visual FoxPro skills in Web development
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- **Write** bullet-proof code quickly and easily
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- **Plan** future projects knowing Microsoft's future vision and direction for Visual FoxPro
- **Expand** your skill sets and Build Killer Apps
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**FoxPro developers from around the world take on New Orleans!**  
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The video you're receiving from AppDev is one in a series of tapes, and includes hands-on courseware and a disk containing sample code. You'll receive the tape from our series, which includes the following topics: Testing and debugging Visual FoxPro applications • testing scenarios • coverage and profile analysis • plus programming standards and conventions

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**Robert Green**  
**Product Manager**  
**Developer Division**  
**Microsoft®**



Robert is a Product Manager in the Developer Division at Microsoft. He focuses on database technologies in general and on Visual FoxPro, Visual Basic, and ADO in particular. He is the lead technical champion for Visual FoxPro and wrote the Visual FoxPro session for the 1997 and 1998 Developer Days. He is a frequent speaker at Visual FoxPro and other conferences and is the author of Developing Client/Server Applications with Visual FoxPro and SQL Server (Pinnacle Publishing's Pros Talk Visual FoxPro series).

**Ricardo Wenger**  
**Group Manager**  
**FoxPro Team**  
**Microsoft®**



Ricardo Wenger is the Group Manager for the Visual FoxPro team at Microsoft. He joined the company in 1990, working for key products like Excel, Office, ADO, FoxPro and Visual FoxPro. His contributions to Visual FoxPro have ranged from the Mac line of products, international versions, Program Manager Lead, and now focusing on the overall development directions for VFP in the present and future. He's a native of Venezuela and a graduate from USC in Los Angeles.

**KEYNOTE: VISUAL FOXPRO & WINDOWS DNA2000**

*Windows Distributed interNet Architecture (Windows DNA) 2000 is a comprehensive, integrated platform for building and operating state-of-the-art distributed Web applications as well as the next wave of Internet-based Web services. With the Microsoft Windows 2000 operating system as its cornerstone, Windows DNA 2000 advances the core Windows DNA platform with new products, tools and technologies. This keynote will explore the next generation of the Microsoft development platform and how Visual FoxPro developers can take advantage of it to build ever more powerful applications.*



**Bernard Wong**  
**Program Manager, Microsoft®**

**HUMANIZING WEB SITES AND APPLICATIONS WITH MICROSOFT AGENT**

*Take your application or Web site beyond what everyone else has been doing with the addition of conversational interfaces that leverage natural aspects of human social communication.*

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Microsoft®, in conjunction with VUE, will offer testing at the conference. You will be able to take the exams at a 50% Discount. You may register for certification testing on the web at [www.vfpdevcon.com](http://www.vfpdevcon.com).



New Riders, sponsor of the testing area and providers of an on-site study hall for the exam, publishes books and software for professionals in the constantly evolving fields of networking and programming. Their goal is to build training materials and technical references that help you answer today's questions and prepare for tomorrow's challenges. To learn more, visit them at [www.newriders.com](http://www.newriders.com).

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*You are invited to join us  
on Wednesday at 3:45 pm  
at the*

*Developer's Choice Awards  
presented by*

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**FoxTalk**

Visual Fox Pro DevCon2000 Connections is dedicated to you, the developer! So, rather than the same old "what that guy did is cool" awards, we decided to do it a little differently. The DEVELOPER'S CHOICE AWARDS focuses on the products that help YOU - the Visual FoxPro Developer - the most! YOU decide which product, service or resource is best by voting for your favorite in each category. And your vote registers you to win prizes at the conference! Vote today at [www.vfpdevcon.com](http://www.vfpdevcon.com)!



# PRE-CONS & POST-CONS

## PRE-CONS • MAY 14TH

### Interfacing Visual FoxPro to Microsoft® SQL Server • 9-12 PM

#### Val Matison

This session addresses the issues faced when migrating data from a Visual FoxPro database into a SQL Server data warehouse. Topics to be addressed include importing and refreshing data from Visual FoxPro tables using Data Transformation Services (DTS), designing and processing aggregations, developing and querying cube structures and determining fact and dimension tables. Also covered is extending MDX with Visual FoxPro. Attend this session if you have transaction data in a VFP database that must be exported to a data warehouse on SQL Server.

### Introduction to Visual FoxPro 6.0 • 1-4 PM

#### Eldor Gemst

New to Visual FoxPro? Let Eldor Gemst show you what all the excitement's about. He'll introduce you to the Database Container, Relational Integrity, the Power of Views, using the new Form Designer and of course Object-Oriented Programming... what it means to developers and how to take advantage of it. Eldor has years of VFP experience and has taught thousands of programmers how to better use the product, and he will help you quickly become productive with the best version of Visual FoxPro yet. Whether you are a FoxPro 2.x developer or entirely new to the FoxPro Family, this pre-conference session is for you. This session will also help you get the most benefit from the rest of the conference.

### Data Warehousing 101 • 9-12 PM

#### Mark Scott

Data warehousing provides world-class analysis of your organization's activities, but costs have made it prohibitive - until now. In this session, you will receive a primer in the steps of planning and implementing a data warehouse and using Microsoft's OLAP Services to provide key decision makers with mission critical information. From building dimensionally-modeled data structures, to populating them using DTS, to constructing data cube and querying them using MDX and Excel, you will get the bird's eye view of the potential for data warehousing within your organization.

### Replication 101 • 1-4 PM

#### Ron Talmage

Learn the basics of SQL Server replication. Find out how to replicate in a heterogenous environment, using different replication scenarios and technologies. Learn to match business and data needs to the various topologies and techniques available. This session provides the beginning or intermediate SQL administrator with the background knowledge necessary to take advantage of the conference's more advanced sessions.

## FULL DAY POST-CONS • MAY 18TH

### Building Web Sites with Visual InterDev 6.0 and Active Server Pages • 9-4 PM

#### Paul Litwin

If you're an Access/Office/VB programmer you might be wondering how to leverage your existing knowledge to get into the exciting new world of Web development. In this full-day seminar, Paul Litwin shows you how to use Microsoft's Visual InterDev 6.0, the newest member of the Visual Studio family, to develop dynamic, data-driven Web sites using the skills you already have. This seminar was developed from cutting-edge Visual InterDev training materials that Paul developed and regularly teaches for Application Developers Training Company (AppDev). By the end of the day, you'll come away with a thorough understanding of Visual InterDev, Active Server Pages (ASP), VBScript, and ActiveX Data Objects (ADO), and how to put them together to create dynamic, data-driven Web sites. When you get back to the office you'll be ready to start developing your own Intranet and Internet Web sites using these exciting new tools and technologies. Pre-Requisites: some Access/Office/VB programming experience and basic familiarity with HTML.

### Empowering Microsoft eCommerce • 9-4 PM

#### Mark Scott

Microsoft Site Server, Commerce Edition provides a strong framework for developing high-powered eCommerce sites. By exploiting these tools, you can build world-class eCommerce sites like Dell, Barnes and Noble, and eToys. In a single day, you will be shown the creation of a robust, customized business-to-business web site from start to finish. You'll learn how to manage content submitted by multiple authors within your organization, manage access to content and reports by specific employees and clients, and how to create search pages that make content fast and easy to find. The session will discuss how to configure the Commercial Interchange Pipeline to provide secure transactions and how to use XML to make data transfer robust and easy. You'll learn how to customize page appearance to reflect the identity and character of your organization, how to use active user objects to personalize content, how to analyze site activities and improve your site, and how to add new functionality to the site by customizing data structures and ASP scripts. Pre-Requisites: familiarity with Visual InterDev, HTML and ASP programming.

ALL  
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Tuesday Evening's Party

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MARKUS EGGER

## Interfacing Techniques for the New Millennium

Today's applications feature great database capabilities as well as solid layers of business logic. The interface layer however, leaves much to be desired. Few applications make use of today's interface possibilities, and even those that do are stuck with fairly abstract interaction methods. To make a long story short: The interface is the bottleneck of every application! Yet it is the only part of an application the user will ever deal with. This session introduces state of the art interaction techniques and gives a preview of what's to come in the new millennium. This includes Windows guidelines and design rules for today's applications, modern techniques such as Microsoft Agents and tomorrow's techniques such as voice and video recognition. The session will also introduce new ways of interactions that are not PC based, yet they are of great importance to every Visual FoxPro developer.

## Developing XML Applications with Visual FoxPro

HTML has changed the way we use computers, be it on the Internet or in local applications. Unfortunately, HTML is limited to whatever the creators of HTML wanted it to be. Yet the power of markup languages is way beyond the capabilities of HTML. The XML standard allows the creation of new markup languages and data formats. This session introduces the power of XML and shows you advanced uses you can put to work today. This includes the creation of new markup languages (XML applications) and processors for those languages. It also includes the creation of XML data files. Those files can be used within Visual FoxPro either as a local data source or as data that travels across the Internet. With Visual FoxPro, we can also go the other way around: Publishing XML on the Internet. To create proper XML, you need to understand XML, DTD (this is the "document type definition" that allows specifying the valid syntax for a new markup language), XMLDOM, and XML parsers (and other tools to access XML). This session covers all these topics.

TAMAR GRANOR

## Getting Started with Office Automation

Automation lets you drive one application from another. The Microsoft Office applications can be run from within Visual FoxPro to provide tools for reporting, presentations, graphing and more. This session introduces the tools needed to get started with automation and to learn about automating the Office applications. It looks at ways to explore the Office object models, including the VBA Help files, the Macro Recorder and the Object Browser. It also examines the differences between VBA code and the Visual FoxPro code you write to automate the Office apps. Finally, it explores some of the Visual FoxPro code and tools that aid in writing automation code. This session assumes familiarity with object-oriented programming. Please note that it will explore only very basic automation code. This session provides the foundation on which other sessions can build. Level: Intermediate

## Automating Microsoft Word

Visual FoxPro's Report Designer is fine in many cases, but it's not hard to come up with reports that go beyond its capabilities. Automation gives you the ability to use all of Microsoft Word as your report writer. This session shows you how to put Word to work for you. It starts with the basics of creating a Word automation object, and then explores the Word object model to create both simple and complex Word documents. Learn how to send VFP data to Word and format it. Topics include styles, tables, using bookmarks to insert data at pre-determined locations as an alternative to mail merge and more. This session assumes some familiarity with Word, an understanding of object-oriented programming, and knowledge of automation fundamentals (covered in "Getting Started with Office Automation"). Level: Intermediate/Advanced

JOHN PETERSEN

## Building your First COM ComponentX

Have you been waiting to get into the COM game, but have not been sure where to start? What are COM Components, how do you build them in Visual FoxPro, and how can they work with other applications? These questions and more will be answered in this fun, action-packed session. And when it is all done, you will know how to build your first COM Component!

## N-Tier Development with Visual FoxPro

What is an N-Tier Application? How does an N-Tier application differ from a traditional LAN-based application? Is N-Tier Development about software and hardware, or is it about architecture? What role can Visual FoxPro play in an N-Tier development? Finally, what are the elements of good N-Tier design? These questions and many more are answered in this introductory session to N-Tier Development.

STEVEN BLACK

## Text

In this session, which targets intermediate-level VFP developers, Steve will discuss the best ways (usually among many ways) you can handle text in VFP. You'll learn how to align, beautify, compare, generate, iterate, locate, manage, parse, pass, peek, poke, search, sort, split, store, stuff, summarize, and transform strings, all with an eye on performance and reliability. This session is for you if you use Visual FoxPro for string handling in text-intensive environments like generating web pages or otherwise storing, manipulating, and presenting textual data. Level: Intermediate

## Object Oriented Heuristics

A heuristic is a "rule of thumb," something to help you make reliable decisions when faced with uncertainty. In this session for intermediate Visual FoxPro developers, Steven will discuss some common object-oriented heuristics, and show how they apply (or don't apply) in Visual FoxPro. Level: Intermediate

TONI FELTMAN

## Benefits of Using DCOM in LAN based Applications

We hear a lot about DCOM these days, but much of it is focused on Internet Applications. How can DCOM help the average application that runs on a Local Area Network? This session will focus on techniques that take advantage of DCOM and the Windows DNA to provide improved functionality and performance in traditional, as well as n-Tier, LAN based applications. This session is aimed at the Intermediate to Advanced FoxPro Developer.

## Working with Collections

Many objects are based on a collection of items. This session will focus on understanding how collections work as well as how to create and use your own collections. This session is aimed at the intermediate to advanced Visual FoxPro developer.

MAC RUBEL

## XML and FoxPro

An overview of what it is and why it's going to be important to you. We will then take a look at XML, XSL, DTD's, and getting information into and out of FoxPro.

## FoxPro Performance

Visual FoxPro retains its title of Desktop database performance champion. Its speed in handling data sets from the small to the very large is undisputed and something that we, as FoxPro programmers, have taken for granted for many years. Have you ever wondered exactly what FoxPro's performance really was and what impact various hardware and programming options have on application speed? This session reports on the continuing evaluation of factors that affect FoxPro performance. We will discuss key selection strategy, RAM memory, User Memory, operating system choice, disk speed, cache options, local vs. remote data, client server access to tables and other "late breaking news" for the latest versions of Visual FoxPro. This session is a must for people concerned about optimizing database performance. Updated with new material.

JIM DUFFY

## Building a Distributed/Replication Application with VFP, MSDE and SQL Server

This session will demonstrate how to use MSDE and SQL Server to implement a distributed application. The attendee will learn how to synchronize and replicate the data from a laptop application to SQL Server 7 and back again. Consider this scenario: An application uses VFP, ADO and MSDE and runs on a laptop. A user on the road enters new orders and updates existing orders in the MSDE engine. When they return to the office, they connect to SQL Server and send the order information up to SQL Server. Next, the MSDE engine on the laptop receives updates (replication) from SQL Server and then they're back on the road with the orders submitted and updated information on their laptop. Showing and explaining the details of making that happen is what this session is all about.



# SESSION TOPICS

## Help Me, Mr. Wizard!

Abra Kadabra – Hocus Pocus. No, you won't be placed under a spell by an evil wizard in this session. Instead, you will learn how to take advantage of one of the little known secrets in Visual FoxPro 6.0, how to build your own Microsoft-style wizards. Few people realize that Microsoft included the source code to its Visual FoxPro wizards and builders in Visual FoxPro 6.0. Yes, you have the source code to the Table Wizard, Report Wizard, Form Wizard, and Referential Integrity Builder, to name a few. In this session, you will learn how to build professional wizards using the same framework that Microsoft uses for all the wizards in Visual FoxPro.

ELDOR GEMST

### The In's and Out's of Version Control Software

It's proven surprisingly difficult to get Visual SourceSafe properly integrated with VFP and this session gives step-by-step suggestions for efficient and safe application development in a team environment. Also covered are add-on software packages to make VSS even more powerful. If you work in a team, this session is for you! If you work alone, and want to keep track of changes made to different versions of your software, this session is also for you.

DOUG HENNIG

### Mining for Gold in the FFC

The FFC (FoxPro Foundation Classes) that comes with VFP is full of both useless lumps of coal and priceless hunks of gold. Regardless of how full your toolbox is, you can always find very useful classes in this collection. This session looks at the more useful classes in the FFC, and shows you how to subclass them to extend their behavior and make them even more useful.

### Access and Assign Methods in VFP

One of the most useful and powerful additions in Visual FoxPro 6 is access and assign methods. It may seem strange that something as simple as this can be considered powerful, but in this session, we'll see some very compelling reasons to use these methods, including the ability to strongly type properties, automatically validate the values of properties, create read-only properties, and support collection classes.

CHUCK URWILER

### SQL Server Database Design

To a seasoned VFP developer, SQL Server can seem a very familiar and comfortable database. But, appearances are often deceiving! Learn the underlying differences between SQL Server and VFP databases, and how you can leverage them to make secure, large-scale, high-performance enterprise-class database applications. Topics include the transaction log, multi-user access, and how data and indexes are stored. This session assumes that you are familiar with VFP databases, but have little or no prior SQL Server experience.

## SQL Server Security

How can you allow a user to update a child table without even being able to select from the parent table, yet still retain referential integrity? By placing your Visual FoxPro data into SQL Server, you gain user-level security over nearly every aspect of the database. In this session, you will learn the security model of SQL Server, including logins, roles, authentication modes, permissions, and how all of this can affect a user's experience with the server. This session assumes that you are familiar with VFP but not with SQL Server.

TED ROCHE

### Intermediate Client-Server Techniques

Beyond the basics of Visual FoxPro's use of connections and views to make remote and local computing very similar, there are a number of things you can do with client-server beyond the basic model of reading and writing data. In this session, we'll look at techniques for taking advantage of the capabilities of back-end servers and look more closely at the native VFP capabilities of working with server databases.

### Beyond User Interface Design

What makes a good user interface? Starting with the fundamentals of the choice of controls, we'll examine techniques for developing the appropriate user interfaces for an application. Recent developments in the fields of user accessibility, human engineering, and interaction design should make us question some of the fundamental assumptions of our standard design. We'll examine some existing applications and attempt to derive some rules on the design of good interfaces.

JIM BOOTH

### OOO Fundamentals (Intermediate)

Object orientation - these words can reek havoc in the minds of developers everywhere. It doesn't need to be this way though. Object orientation is actually a much more direct method of mapping business problems to program code than any methods we have had in the past. In this session we will examine Object Orientation with the goal of getting an understanding of the overall approach to application development. Various principles of OO programming will be presented and discussed and an example for implementing those ideas will be shown.

### Relational Database Design (Intermediate to Advanced)

Learn what it takes to design and implement a robust database. In this session, which has something for everyone, Jim will take you through a data design and implementation from ground zero.

MIRIAM LISKIN

### Introduction to ASP

ASP (Active Server Pages) is Microsoft's server-side scripting environment for Web applications. You can use ASP programs to access VFP data directly, using ODBC or OLE DB, or by invoking COM objects written in VFP. This session introduces the funda-

mental ASP syntax and programming constructs, outlines the object model, and offers a very brief survey of the ADO (Active Data Objects) object model.

## Using ActiveX Controls

Visual FoxPro offers such a rich class and form design environment that many programmers have never been motivated to look outside VFP for form-building tools. However, ActiveX controls offer a potentially vast collection of specialized controls that provide functionality that isn't and shouldn't be intrinsic in VFP because it isn't required in most VFP applications. This session outlines the basic techniques for working with ActiveX controls in VFP, surveys the potential pitfalls, and provides an overview of some controls shipped with VFP and a glimpse of one or two third-party controls.

DREW SPEEDIE

### Create a Typical Client-Server Data-Entry Form

In this session, Drew will create a typical One-to-Many data-entry form in Visual FoxPro, with controls bound to fields from tables in the Northwinds database that ships with SQL Server 7.0. Data-entry will be done using remote views, and SQL Pass-Thru used for lookups/validations/picklists. Most of this session is demonstration, as there is not enough time to both discuss the issues and demonstrate them; Drew will explain as many techniques as possible in the allotted time. The example code includes a "mini-application" to provide the context for the data-entry form created during the demo. Attendees should have a basic understanding of how to retrieve data from a back-end server by using VFP remote views and/or SQL Pass-Thru.

### The Joys Of Hacking Your .SCX and .VCX Files

Being able to "hack" your .SCX files was an important skill in FoxPro 2.x; in VFP you may find it an indispensable part of your development prowess. Many tasks that are normally tedious can be done quickly when working in the raw files. Knowing your way around .SCX and .VCX files is also a lifesaver when you need to perform chores that have no equivalent at all in the VFP interface tools (Designers), especially when redefining inheritance for existing objects. Consider this session a "hacking primer," with some basic information about what to find in your form files and class libraries, along with demonstrations of the power of hacking:

- eliminate the need to set form template classes via Tools/Options...
- redefine the ParentClass of form/class members
- search for text strings in an entire .VCX
- manipulate properties of container objects
- recover deleted PEMs

Attendees should have experience creating forms and classes. Skill Level: Intermediate

Y. ALAN GRIVER

### DNA and the Front End

This session will focus on creating DNA apps that allow you to have multiple front ends. It will discuss the issues in creating DNA front ends including:



## SESSION TOPICS

When do I use ADO? XML? VFP Cursors?  
How do I handle rules that should go in the front end?  
What type of interfaces should I be creating? Web? Win32?  
Should I use HTML 3.x? DHTML?

### DNA and the Data Tier

This session will focus on the issues involved in creating the data tier of DNA applications with a particular emphasis on the capabilities of SQL Server 7.0. It will discuss issues including:

How do you decide on which back end to use?  
When should a rule go into a stored procedure?  
When should a rule go into a middle tier component?

How do I write my DNA application to allow me to switch back ends? Should I?

### MENACHEM BAZIAN

#### Web Scripting for FoxHeads

This session will cover how to create scripts for your web applications. Both client side (JAVASCRIPT) and server side (ASP) scripting will be discussed. The session is designed for programmers new to writing scripts for the web.

#### Creating FoxPro-based Web Applications with FoxISAPI

This session will discuss how to create web applications that use VFP Middle Tier COM objects and Data. We will build some COM servers in FoxISAPI and show how FoxISAPI, VFP and HTML work together. This session is perfect for you if you want to get up and running with a VFP Web Application in a hurry!

### RICK STRAHL

#### Using the Internet as a Network

Find out how you can access data and server side logic over the Internet. The session starts out with taking advantage of TCP/IP to access network resources such as drives, files and even SQL Server and remote DCOM objects over a plain TCP/IP connection. The discussion then turns to using the Web and HTTP to transport data over the wire with VFP to VFP client/server applications, and using RDS to perform ADO based data access over the Web.

#### Building Distributed Web Applications with XML

This session covers taking advantage of XML to build distributed Web applications. Distributed applications take advantage of logic on the client and server and use the Web as a communication medium with XML as the protocol to provide data generically to all types of clients across the wire. Session covers review of XML in a messaging environment, tools to convert VFP data and objects to XML for use in a VFP based Web backend, and strategies for passing XML over the Internet both using Visual FoxPro and Internet Explorer clients. Several examples demonstrate generic server applications for returning SQL data and COM method call results over XML in various clients.

### ROD PADDOCK

#### Building Distributed Web Applications with XML

This session covers taking advantage of XML to build distributed Web applications. Distributed

applications take advantage of logic on the client and server and use the Web as a communication medium with XML as the protocol to provide data generically to all types of clients across the wire. Session covers review of XML for use in a VFP based Web backend and strategies for passing XML over the Internet both using Visual FoxPro and Internet Explorer clients. Several examples demonstrate generic server applications for returning SQL data and COM method call results over XML in various clients. (Can be considered a follow up session to Using the Internet as a Network.)

#### Distributing Visual FoxPro Applications with Installshield

The standard application used for distributing applications is known as Installshield. This session will show Visual FoxPro developers how to create distribution disks with Installshield and Installshield Express. Topics covered will include media, distributing ActiveX controls and distributing Visual FoxPro runtime components. Be prepared to replace the Setup Wizard with Installshield.

#### Gathering Application Requirements

One of the most overlooked aspects of software development is requirements. There is never enough time to: gather requirements, document requirements, prioritize requirements and finally to test and make sure requirements are met. This session will discuss techniques for gathering, documenting, prioritizing and testing requirements.

**Keep checking the web site as we add more sessions from the Microsoft® VFP Product Team!**

**BONUS**  
**Two for One!**

SQL Connections 2000 is the premiere event on Microsoft® SQL Server and will be running concurrently with VFP DevCon2000 Connections at the Sheraton New Orleans major Conference Center. All attendees who register by April 3 will receive a free pass to attend any of the SQL Connections 2000 Sessions.

**SQL**  
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**2000™**

**Check it out at [www.SQLconnections.com](http://www.SQLconnections.com)**

SQL Connections 2000 conference materials not included with VFP DevCon2000 registration, but can be purchased separately (see registration page).

- SQL Server Security
- Files and Filegroups
- Advanced DTS
- Centralizing your SQL Server Enterprise Administration
- SQL Server in a Distributed Environment
- The MCDBA Certification and You
- Applying Pattern Theory to Entity Relational Design
- Troubleshooting Slow Performance
- Correlated Subqueries: What, How, and When
- Understanding Locks and Transactions in SQL Server 7.0
- Summarizing SQL Data
- Using Stored Procedures as a Logical Architectural Tier
- Microsoft English Query
- Integrating ADO, Office, and SQL Server
- Server-Side Cursors
- Life Cycle of the Data Warehouse
- Dimensional Modeling - The Star Schema
- Populating Data Warehouses
- Building OLAP Cubes
- Querying OLAP Cubes with MDX (Introduction)
- Querying OLAP Cubes with MDX (Advanced)
- Microsoft OLAP Clients
- From Concept to Reality, Implementing Slowly Changing Dimensions in SQL Server 7
- Advanced OLAP Server
- Strategy for Success, the Architected Data Mart.
- Disaster Recovery Planning
- Optimizing SQL Server 7.0 for Application Development
- Prototyping a database Using MSDE

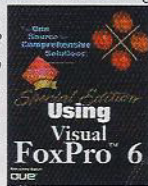


# SPEAKERS



## Menachem Bazian

Menachem Bazian is Director of Client Services for LNW Consulting Services, LLC, a business and technology consulting firm located in New York. Menachem is a Certified Public Accountant and expert business/technology consultant. He has extensive experience in all phases of business and process analysis and improvement, project management, object oriented and database software design and development. He is a frequent speaker at many conferences (including all FoxPro DevCons since 1990) and has authored many timely articles and books in the fast moving Information Technology arena. Among his writing credits are *Using Visual FoxPro 6 Special Edition* (Que 1999), *Visual FoxPro 3 Unleashed* (Sams, 1995), *Visual FoxPro Codebook* (Sybex, 1995), and *FoxPro 2 Printer Management* (Pros Talk Fox, Vol. V, Pinnacle Publishing, 1992). He has also written many articles for such publications as *FoxTalk*, *FoxPro Advisor*, *Databased Advisor* (now part of E-Business Advisor), and *New Accountant*. Menachem may be reached at bazianm@idt.net or www.LNWConsulting.com.



## Steven Black

Steven has been a Fox developer since 1986. He markets Steven Black's INTL Toolkit, a multilingual framework for FoxPro and Visual FoxPro, which he created in 1993 and continues to refine. He has been a featured speaker at nearly 40 FoxPro DevCons and regional conferences, and his contributions occasionally darken the pages of VFP books and magazines. Steven is also the creator and webmaster of the Visual FoxPro Wiki, an innovative VFP community knowledgebase, which is found at <http://www.wikis.com/vfox>. His company, SBC, is based in Kingston Ontario, and operates worldwide. He specializes in multilingual, multi-site, and other challenging FoxPro projects, including out-of-control project turn-arounds and cleanups. He consults with small developers as well as Fortune 500 companies, national and international government agencies, and software development companies to elevate their development teams.



## Jim Booth

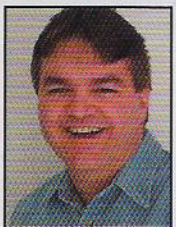
Jim is a Visual FoxPro developer and trainer. He has written articles for the major FoxPro journals and has spoken at conferences in North America and Europe. He was a co-author for *Visual FoxPro Unleashed* published by Sams, *Effective Techniques for Application Development with Visual FoxPro 6.0* published by Hentzenwerke, and *Special Edition Using Visual FoxPro 6.0* published by Que. Jim has been the recipient of the Microsoft Most Valuable Professional Award every year since the award was first presented in 1993. Jim is married to Carole and is the father of

three boys and wishes he could program them as easily as Visual FoxPro. He can be reached at [www.jamesbooth.com](http://www.jamesbooth.com), or by email at [jbooth@jamesbooth.com](mailto:jbooth@jamesbooth.com).



## Randy Brown

Randy is a Microsoft Program Manager on the Visual FoxPro team. Prior to joining Microsoft, he founded Sierra Systems, a FoxPro consulting firm. Randy was a Management Consultant for Ernst & Young in their National Energy Practices Group. Randy has spoken at many FoxPro conferences including the Microsoft FoxPro DevCon. Randy co-authored with Lisa Slater FoxPro MACHete: *Hacking FoxPro for Macintosh* (Hayden Books). Other books include, *FoxPro 2: A Developer's Guide* (M&T Books) and *FoxPro 2.5 OLE and DDE* (Pinnacle Publishing).



## Jim Duffy

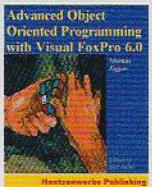
Jim Duffy is the founder and President of TakeNote Computer Consulting, a Raleigh, NC based training and consulting firm. He has a BS degree in Computer and Information Systems and over 15 years of programming and training experience. He is a skilled developer, exceptional trainer, Microsoft Certified Professional (MCP), and has been published in leading publications such as *FoxPro Advisor* and *FoxTalk*. Training companies around the world use the Visual FoxPro training courseware he authored. Jim's passion for teaching and presenting, combined with his humorous and quick-witted approach, have consistently earned him "excellent" reviews. Jim has been a popular speaker at every Microsoft FoxPro Developers Conference since 1997 and at the '98 & '99 Southern California FoxPro Developer's Conferences. Web: [www.takenote.com](http://www.takenote.com) Email: [jduffy@takenote.com](mailto:jduffy@takenote.com)



## Markus Egger

Markus Egger is the owner of EPS Software. He specializes in object oriented development, Internet development, training and consulting. Markus is an international speaker having presented sessions at numerous Visual FoxPro conferences including DevCon 97, DevCon 98, FoxTeach 1996, the European Visual FoxPro Conference, the Dutch Lowlands conference in Amsterdam, the Great Lakes Great Database Workshop, and several FoxExpress conferences. Markus has written numerous articles

for publications including *Fuchs*, *FoxTalk* and *Microsoft Office & Database Journal*. Markus is the owner and editor of the "Software Developer Magazine", a European Visual FoxPro publication ([www.eps-software.com/sdm](http://www.eps-software.com/sdm)). Markus is currently working on a book (*Advanced Object Oriented Programming with Visual FoxPro 6.0*) which is scheduled for publication in January 1999. Markus is the author of several well known tools such as GenRepoX and Visual WebBuilder. Markus also received the Visual FoxPro MVP Award (96, 97, 98, 99) from Microsoft. You can reach Markus at [megger@eps-software.com](mailto:megger@eps-software.com) or [www.eps-software.com](http://www.eps-software.com).



## Toni Feltman

Toni is a partner in F1 Technologies and one of the principal developers in the FoxExpress product line. She has spoken at numerous FoxPro conferences and User Groups around the world including the Visual FoxPro DevCon 99. Toni was a judge of the 1998 and 1999 Visual FoxPro Excellence Awards. Prior to F1 Technologies, she worked for Fox Software, the company that originated FoxPro.



## Eldor Gemst

Eldor Gemst, president of Montreal-based ELGEM Associates has been supplying custom programming and training services to the corporate world since 1987. Eldor has been heavily involved with FoxPro since its introduction, and is well-known and very active in the North American FoxPro programming community. Eldor has lead FoxPro and SQL Server training seminars throughout North America and has been a featured speaker at the Microsoft DevCon, Toronto FoxTeach (4 times), Great Lakes Great Database Workshop, German DevCon in Frankfurt (3 times) and numerous other conferences and has spoken at several user's groups across North America. He is also the founder and President of the Montreal FoxPro User's Group. [egemst@ibm.net](mailto:egemst@ibm.net) • [www.elgem.com](http://www.elgem.com).



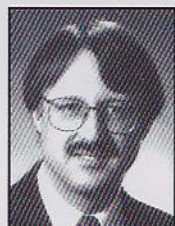
## Tamar Granor

Tamar E. Granor is the Editor of *FoxPro Advisor* magazine and co-author of its Advisor Answers column. She is co-author (with Ted Roche) of the *Hacker's Guide to Visual FoxPro 6.0* (Hentzenwerke Publishing, [www.hentzenwerke.com](http://www.hentzenwerke.com)) and the *Hacker's Guide to Visual FoxPro 3.0* (Addison-Wesley). Tamar is a Microsoft Certified Professional and a Microsoft Support Most Valuable Professional. Tamar has been a speaker at every Microsoft FoxPro DevCon since DevCon '93. In addition, she has spoken at many other FoxPro conferences and user groups. Tamar has developed and enhanced numerous FoxPro applications for businesses and other organizations.



## Y. Alan Griver

Yair Alan Griver is the Chief Information Office at Flash Creative Management (<http://www.flashcreative.com>), a Hackensack, NJ based consulting firm that works with businesses to jointly map their strategies and build the supporting technology and processes to achieve their growth and profit objectives. Flash is a Microsoft Solution Provider at the Partner level and a Microsoft Authorized Technical Education Center. Alan is responsible for overseeing the development Flash's methods and development frameworks. He has received the "Most Valuable Professional" award from Microsoft for his expertise in applying Microsoft technology to real world applications and for sharing that knowledge with other software developers. Alan has written articles that have been published in many leading publications, has lectured throughout the world on computer systems and software design, and has written four books on Visual FoxPro and Visual Basic. He can be reached at [alang@flashcreative.com](mailto:alang@flashcreative.com).



## Doug Hennig

Doug Hennig is a partner with Stonefield Systems Group Inc. He is the author of Stonefield's line of add-on products for Visual FoxPro developers, including Stonefield Database Toolkit and Stonefield Query, and co-author of Stonefield Reports. He is also author of the *Visual FoxPro Data Dictionary* in Pinnacle Publishing's *Pros Talk Visual FoxPro* series and writes the monthly "Reusable Tools" column in *FoxTalk*. Doug has spoken at every Microsoft FoxPro Developers Conference (DevCon) since 1997 and at user groups and developer conferences all over North America. He is a Microsoft Most Valuable Professional (MVP) and Certified Professional (MCP). Web: [www.stonefield.com](http://www.stonefield.com) Email: [dhennig@stonefield.com](mailto:dhennig@stonefield.com).







## Calvin Hsia

Calvin is a Software Developer Lead on the Microsoft FoxPro development team. He graduated from MIT with degrees in Electrical Engineering and Computer Science. Calvin spent over 10 years as an independent consultant in Honolulu, specializing in custom multi-user database development. He has authored numerous articles on Xbase and FoxPro for *FoxTalk*, *FoxPro Advisor*, and *Databased Web Advisor* and spoken at several international database conferences. He is a two-time recipient of the Microsoft MVP award. Calvin has developed many applications, including disk utilities, games, spelling checkers, and various graphics programs and has explored process control, real-time data acquisition, and digital signal processing systems.



## John Kozioł

John has been a developer and systems consultant since 1986. He has written numerous freeware utilities and applications for Visual FoxPro. John was a Charter member of the National Computer Trainers Association (1986), a Practicing Member of the World-Wide Institute of Software Architects, and has been a technical reviewer for various Visual FoxPro and Visual Studio articles. He is an author and technical contributor for Microsoft Certification Tests 70-155 and 70-156, Distributed Applications Using Visual FoxPro 6.0 and Desktop Applications Using Visual FoxPro 6.0. John is the owner of Digital Elite Services of Tallahassee, FL and is happily married to Teresita, with 3 children. John is a frequent contributor to an ussyop for the Universal Thread, a FoxPro support Web site, and a 1999 Microsoft Most Valuable Professional. He loves to find ways to demonstrate VFP concepts using off the wall examples and programs. John can be reached at i486dx@prodigy.net.



## Miriam Liskin

Miriam Liskin is a database programmer and writer who divides her time between Northern California and Southern Utah. She is a Contributing Editor and long-time columnist for *FoxPro Advisor Magazine*. Miriam specializes in building local and Internet database applications in VFP, Access, and ASP for a client base consisting primarily of small businesses. She's the author of *Miriam Liskin's Visual FoxPro Expert Solutions* (Que), *PC Magazine Programming FoxPro 2.5* (Ziff-Davis Press), and *Windows Sources Microsoft Access 97 for Windows SuperGuide* (Ziff-Davis Press).



## Val Matison

Val Matison is an internationally recognized database expert. His work experience includes many unique projects including the design of the computer systems for the Toronto SkyDome and the development of a specialized 128 gigabyte application for the Euro Tunnel. He frequently speaks at conferences in North America and Europe on database techniques such as data mining and warehousing, parallel database systems, client server application development and large systems architectures. He frequently demonstrates database products to the general public on behalf of Microsoft Canada. He is also an accomplished author and his articles have been published in various periodicals and books. He is a Microsoft Certified Professional & Microsoft Certified Trainer.



## Rod Paddock

Rod is President and founder of Dash Point Software, Inc. in Seattle, DPSI is an award winning development firm specializing in SQL Server, Visual FoxPro, Visual Basic, Cold Fusion and Active Server Pages. Rod has given lectures at numerous technical conferences in North America and Europe, Rod has written for *FoxTalk* and numerous other technical journals. He is co-author of the books *VB6 for Web Development* and *VFP 6 Enterprise Development* from Prima Publishing.



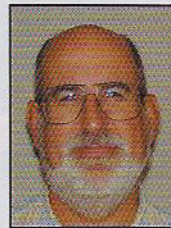
## John Petersen

John is President and Founder of Main Line Software, Inc., a Philadelphia, Pennsylvania based software application and database design firm. MLSI development platforms include Visual FoxPro, Visual Basic, Visual InterDev, Access, and SQL-Server. In addition to earning an MBA from the Haub School Of Business of St. Joseph's University, John is also a four-time recipient of Microsoft's Most Valuable Professional award. He has presented at many industry events including the Microsoft Visual FoxPro Developers Conference, Fox Teach, Southern California FoxPro Developer's Conference, Microsoft Developer Days, and Microsoft Tech-Ed. John's writing projects include *Visual FoxPro 6 Enterprise Development* from Prima Publishing, *ADO Jumpstart* for Visual FoxPro Developers MSDN White paper, as well as numerous feature articles for *FoxPro Advisor* and *FoxTalk*. You can reach John via email at jpetersen@mainlinesoftware.com.



## Ted Roche

Ted Roche is a Director of Development at Blackstone Incorporated, a Microsoft Certified Solution Provider based in Waltham, Massachusetts. He is co-author of the critically acclaimed *Hacker's Guide to Visual FoxPro 6.0* (<http://www.hentzenwerke.com>), a Contributing Editor at *FoxPro Advisor* magazine and a frequent speaker at FoxPro conferences worldwide. Ted is an MCSD, MCSE and MVP. Email: troche@bstone.com.



## Mac Rubel

Malcolm (Mac) Rubel is president of Performance Dynamics Associates, an application development consulting firm with offices in New York City, Bar Harbor Maine, and other places where there is good fishing. He is the author of several books, including *FoxPro 2.0 Power Tools* (Bantam) and was the editor for Max Egger's *Advanced Object Oriented Programming with VFP 6.0*. He is also the author of *Visual Radar*, the development debugger for VFP and Mac Rubel's *Power Developer's Library for VFP*. He is a contributing editor for *FoxPro Advisor Magazine* and a speaker at conferences for the past decade.



## Drew Speedie

Drew Speedie develops Visual FoxPro applications and provides technical direction on FoxPro projects at Metamor Industry Solutions, a custom consulting and software development firm. He is the chief architect of the Visual MaxFrame Professional application framework and is also responsible for creating Metamor's FoxPro training classes. For the past several years, Drew has been a Contributing Editor to *FoxPro Advisor Magazine*. Drew is a Microsoft Developer MVP and a frequent speaker at Microsoft and other international FoxPro events. dspeedie@compuserve.com.



## Rick Strahl

Rick Strahl is well known for his expertise on Internet and Component development with Microsoft technologies. He is the owner of West Wind Technologies on Maui, Hawaii. The company specializes in Internet development tools for Visual FoxPro developers. Rick has been in charge of the development of several widely used FoxPro developer tools including West Wind Web Connection, West Wind Internet Protocols, West Wind HTML Help build and in cooperation with Markus Egger, Visual WebBuilder. Rick's specialties lie in Internet development using Internet Information Server, ISAPI, C++, COM/DCOM and of course Visual FoxPro.

In the course of his development Rick has been involved in several highly visible applications including the much publicized Surplus Direct and Surplus Auction Web sites which were highlighted by Microsoft at TechEd and shown as an example of how the Windows platform in general and Visual FoxPro in particular can be used to build top end commerce applications. Rick is also a prolific author, publishing frequent articles in *FoxPro Advisor*, *FoxTalk* and *Software Developer* magazine. His Web site is also a rich resource of documents regarding Web development issues with VFP. In April 1999 Rick released his first book *Internet Applications with Visual FoxPro 6.0* with Hentzenwerke Publishing. He's also been a four year running Microsoft MVP (Most Valuable Professional). You can reach him at: rstrahl@west-wind.com, www.west-wind.com.



## Chuck Urwiler

Chuck is a Senior Instructor and Consultant for Micro Endeavors, Inc. Over the past 5 years, he has trained thousands of developers nationwide in all versions of Visual FoxPro and more recently, SQL Server 7.0. He developed national tours presenting the new features of Visual FoxPro 6.0 and SQL Server 7.0 and is the author of MET's Visual FoxPro courseware. Chuck recently lent his expertise to the Microsoft certification team for the Visual FoxPro exams as a technical contributor and editor. He is a Microsoft Certified Professional (MCP) in Visual FoxPro and SQL Server 7.0, as well as a Certified Trainer (MCT), and should soon acquire both Solution

Developer (MCSD) and Database Administrator (MCDBA) certifications. He is a frequent guest speaker at user group meetings, Microsoft seminars, and has been a VFP DevCon speaker since 1996. He can be reached at Chuck@MicroEndeavors.Com.



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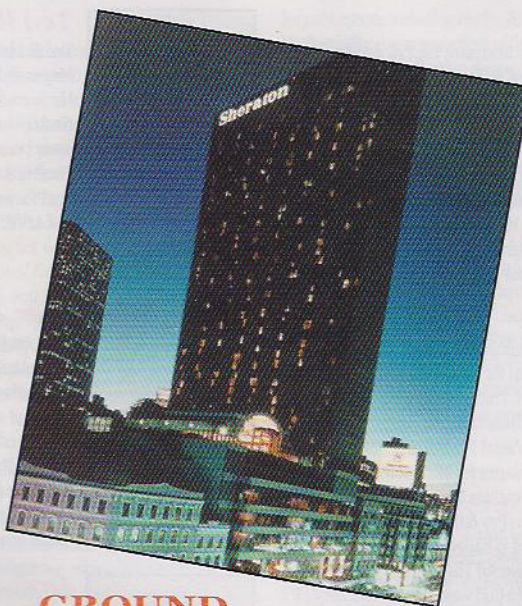
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