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# NEXTWARE EXPO

SOFTWARE ► REVOLUTION ► WEB SERVICES

May 20-23, 2002

Baltimore Convention Center

Baltimore, MD

[www.nextwareexpo.com](http://www.nextwareexpo.com)



keynotes

DR. JEAN-FRANÇOIS ABRAMATIC • Chairman, World Wide Web Consortium (W3C)

ROBERT W. BICKEL • General Manager, Middleware Division, Hewlett-Packard

DR. ROBERT SUTOR • Director of eBusiness Standards Strategy, IBM

keynote panel

DR. ADAM BOSWORTH • VP of Engineering, BEA Systems

ANDY ROBERTS • CTO, Bowstreet

DR. RICHARD MARK SOLEY † Chairman and CEO, Object Management Group

ROBERT W. BICKEL and DR. ROBERT SUTOR



# Translate. Transact. TRANSFORM

You're Invited to the Premiere Conference About Next-generation Software and Web Services

In today's hi-tech world, service providers and developers must be at the top of their game. The rapidity of technological innovation challenges CEOs, CTOs, CIOs, developers, system architects and project leaders to avoid having obsolete skills and incomplete knowledge.

The NEXTWARE conference is an excellent opportunity to immerse yourself for several days of learning about next-generation computing and software. NEXTWARE Spring 2002 has invited a world-class faculty to deliver a technical program that focuses on XML and Web services. Because NEXTWARE is co-located with the SERVICE NETWORKS and CONNECTED HOME events, there will also be a large exhibit hall at the Baltimore Convention Center.

**NEXTWARE is unique in combining a superior conference educational program with a product expo of this caliber.**

- The program covers core XML, e-business, enterprise application integration, database integration, SOAP and Web services technologies, ebXML, UDDI, market issues and early-adopter experiences.
- The faculty includes some of the best minds from industry and academia. There are authors, key participants in the World Wide Web Consortium and innovators from IBM, Microsoft, Sun, Oracle, Hewlett-Packard, BEA, Cape Clear, EDS, Iona, Progress Software, XML Global and other organizations.
- NEXTWARE is a unique opportunity to exchange ideas and share experiences with doers and decision-makers from the software and service provider communities.
- There are nine pre-conference tutorials and 98 sessions of authoritative content. For example, key architects from IBM and Microsoft will teach the UDDI workshop. The XML Query Working Group will host an XQuery implementation panel discussion. The editor of the international SQL standard will present SQLX (extending SQL with XML) and more.
- Knowledgeable keynote speakers will share their insights about Web services and the future of Internet computing. You'll hear from Dr. Jean-François Abramatic (W3C Chairman and Senior VP, iLOG), Dr. Robert Sutor (Director, eBusiness Standards Strategy, IBM) and Robert Bickel (GM, Hewlett-Packard Middleware Division). The keynote panel also includes Adam Bosworth (VP of Engineering, BEA), Dr. Richard Mark Soley (CEO, Object Management Group) and Andy Roberts (CTO, Bowstreet).
- NEXTWARE is an arena where developers and service providers will find a mother lode of solutions. Learn about technologies and business models that will emerge in the next year.

We invite you to NEXTWARE to stay abreast of key technologies and to make those connections you'll need to exploit Web services and the next wave of computing. Register today and keep your eye on your future and the future of the industry.

**We look forward to seeing you in Baltimore!**

Ken North  
Conference Chair  
NEXTWARE Spring 2002

Jon Price  
Vice President  
Service Provider Events Group, Penton Media

# KEYNOTES

Tuesday • **May 21, 2002 • 1:00-2:15pm • "THE FUTURE OF THE WEB"**

**DR. JEAN-FRANÇOIS ABRAMATIC** Chairman, World Wide Web Consortium (W3C)



Dr. Jean-François Abramatic is the Senior Vice President of Research and Development at ILOG with responsibility for leading ILOG's research into the areas of advanced decision support and optimization technologies. Dr. Abramatic is also chairman of the World Wide Web Consortium (W3C), a position he has held since 1996. As W3C Chairman, Abramatic is responsible for spearheading the strategic direction of the organization, which was created in October 1994 to lead the World Wide Web to its full potential by developing common protocols that promote its evolution and ensure its interoperability. The W3C is intimately involved with the Semantic Web effort. Jean-François manages a team of technologists at ILOG who have developed and shipped products that are essentially the building blocks of Web services and the next-generation Semantic Web. Jean-François is legitimately and intimately involved with Web services, XML and the Semantic Web on the academic side.

Tuesday • **May 21, 2002 • 5:15-6:00pm • "WEB SERVICES AND 21ST CENTURY COMPUTING"**

**DR. ROBERT SUTOR** Director of eBusiness Standards Strategy, IBM



Dr. Robert S. Sutor is IBM's Director of e-business Standards Strategy. He is a member of the IBM executive team driving the company's strategy for Web services and he is responsible for establishing the global IBM-wide strategy for key e-business industry standards, including XML and UDDI. Dr. Sutor recently finished a term on the OASIS Board of Directors and was Vice-chair of the OASIS-United Nations/CEFACT ebXML initiative. Prior to his current IBM role, he was IBM's Program Director for XML Technology and in that role he drove the integrated strategy and technology plans for XML as well as supporting open standards activities and technical partnerships in the industry. Before joining the IBM Software Group in 1999, Dr. Sutor was a member of IBM's Research staff and led advanced technology projects related to Internet and scientific publishing. He holds a Ph.D. in Mathematics from Princeton University and an undergraduate degree in Mathematics from Harvard College.

Wednesday • **May 22, 2002 • 1:00-2:15pm • "EXPERT VOICES: NEXT-GENERATION WEB COLLABORATION"**

**KEN NORTH** President, Ken North Computing LLC (moderator)



Ken North is an author, consultant and company founder. He is XML and Web Services editor for *Dr. Dobb's Journal*, contributes to Technetcast and teaches Expert Series seminars. He wrote *Database Magic with Ken North* and *Windows Multi-DBMS Programming*.

Panel members include:



• Robert Bickel  
General Manager Middleware Division  
Hewlett-Packard



• Adam Bosworth  
VP Engineering, BEA



• Andy Roberts  
CTO, Bowstreet



• Dr. Richard Mark Soley  
Chairman and CEO  
Object Management Group



• Dr. Robert S. Sutor  
Director of eBusiness  
Standards Strategy, IBM

Wednesday • **May 22, 2002 • 5:15-6:00pm • "THE VALUE OF WEB SERVICES"**

**ROBERT W. BICKEL** General Manager, Middleware Division, Hewlett-Packard



As the general manager of Hewlett-Packard's Middleware Division (HPMD), Bob Bickel is responsible for overseeing operations for HP's Java, XML and Web-services software products. Bickel was formerly CTO of HPMD and executive vice president for Bluestone Software Inc. Bickel's strength as a hands-on technical executive with a keen business sense and easy-going people skills, enables him to talk in depth on both business and technical issues. His personality shaped Bluestone's corporate culture, which recognized individual and team accomplishments, fostering a healthy internal competition that drove people to excel. Prior to Bluestone, Bickel spent 11 years at Digital Equipment Corporation, where he managed systems integration projects for a number of Digital customers, most notably for MBNA America Bank N.A., the world's largest independent credit card issuer. Bickel holds a B.A. in Electrical Engineering from Bucknell University and an MBA in Finance from Temple University.



## SCHEDULE-AT-A-GLANCE

Monday

	T1	T2	T3	T4	T5	T6
9:00AM-12:00PM	A Comprehensive Technical Overview of Web Services	Essential SQL	UDDI Workshop: Software Development and Integration with Web Services	Building .NET Web Services	Document Analysis and Markup Design	Essential XML
	T7	T8	T9	T4 (continued)	T5 (continued)	T6 (continued)
1:30-5:00PM	Using Java with UML: Application Development	The W3C XML Query Language	Thin Clients, Fat Databases and Web Services	Building .NET Web Services	Document Analysis and Markup Design	Essential XML
5:00-7:00PM	Opening Reception					



	Integration (eBusiness, Portals, Applied XML)	Core (APIs, Specs, Technologies, Techniques)	Messaging, Wireless, Voice	Modeling, Metadata, Query, Database	Collaboration, Servers, Middleware	Dynamics and Influences	Experiences and Opportunities
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Tuesday

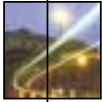
	NW-111	NW-112	NW-113	NW-114	NW-115	NW-116	NW-117
8:00-8:50AM	Understanding UDDI	The XML API Shoot-out	Integrate the Power of Synchronized Multimedia into Web Pages	Taxonomies and Indexing	Access Control for Consumer Profile Sharing	Six Technologies in Search of a Market: The Dynamics of Web Services, B2B, EAI, Java, XML and BPA	Tasting SOAP: Early Project Experience with Web Services
	NW-121	NW-122	NW-123	NW-124	NW-125	NW-126	NW-127
9:00-10:00AM	Enterprise Application Integration for Developers	XML to Object Binding using SAX and JAXB	Mobile Application Messaging	Understanding XML Schema	Transaction Reliability in Web Services	Can Web Services Save B2B?	Building, Integrating and Using Web Services in a Production Environment
	NW-131	NW-132	NW-133	NW-134	NW-135	NW-136	NW-137
10:15-11:15AM	XML: Transforming Security on the Internet	XHTML: XML for Client-side Authors	Error Handling in Web Services	RDF: Breaking Out of the Labs	Using JSP and XML Together	Global Business Integration Strategies	The Nuts and Bolts of an Award-winning WebSphere Implementation

11:00AM-5:00PM EXHIBIT HALL OPEN

1:00-2:15PM **Keynote: "THE FUTURE OF THE WEB"** • Dr. Jean-François Abramatic, Chairman, World Wide Web Consortium

	NW-141	NW-142	NW-143	NW-144	NW-145	NW-146	NW-147
2:30-3:30PM	OASIS Standards on Web Services for Interactive Applications	JAX Pack: Java APIs for XML	The Role of Voice in Data Convergence	Principles of XML Schema Design	Developing Web Services in Java	Structuring a Global Internet Presence: It's Not Just Translation	Guaranteed Business Exchange: Securely Exchanging Vital Business Data Over the Internet
	NW-151	NW-152	NW-153	NW-154	NW-155	NW-156	NW-157
3:45-5:00PM	Web Services, WSDL and UDDI	XML Namespaces	Design Strategies for Developing VoiceXML Applications	Querying XML Documents	Transactions in a Web Services World	The .NET Free Zone	Using XML and Web Services in the Financial Services Industry

5:15-6:00PM **Keynote: "WEB SERVICES AND 21ST CENTURY COMPUTING"** • Dr. Robert Sutor, Director of eBusiness Standards Strategy, IBM



	<b>Integration</b> (eBusiness, Portals, Applied XML)	<b>Core</b> (APIs, Specs, Technologies, Techniques)	<b>Messaging, Wireless, Voice</b>	<b>Modeling, Metadata, Query, Database</b>	<b>Collaboration, Servers, Middleware</b>	<b>Dynamics and Influences</b>	<b>Experiences and Opportunities</b>
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**Wednesday**

<b>8:00-8:50AM</b>	NW-211 ebXML and Web Services	NW-212 XSL Stylesheets: An Introduction to Transforming XML Data	NW-213 Creating Custom Events in Web Services	NW-214 Leveraging ADO.NET for Windows and Web Solutions	NW-215 Selecting the Web Application Server: An Under Cover Story	NW-216 XML Reality Check	NW-217 Bringing Geography to the Borderless Internet
<b>9:00-10:00AM</b>	NW-221 Securing Extranet Applications	NW-222 Metadata as the Key to Information on Demand	NW-223 Services Anywhere	NW-224 Mapping Documents to Databases	NW-225 BizTalk Server: Coordinating Business Processes on Both Sides of the Firewall	NW-226 Enabling Active Business Intelligence with Web Services	NW-227 XML and Web Services in the Future of Portals
<b>10:15-11:15AM</b>	NW-231 Leveraging Web Services for Application Integration	NW-232 Mastering XPath	NW-233 Mobilizing Business Processes	NW-234 SQLX: Bringing SQL and XML Together	NW-235 Building Standards-based Web Services with J2EE	NW-236 How to Profit from Web Services and Share Revenues Among Your Partners	NW-237 eBusiness Integration for Useful Web Services and Beyond
<b>11:00AM-5:00PM</b>	<b>EXHIBIT HALL OPEN</b>						
<b>1:00-2:15PM</b>	<b>Keynote Panel: "EXPERT VOICES: NEXT-GENERATION WEB COLLABORATION" • Robert Bickel, Adam Bosworth, Andy Roberts, Dr. Richard Mark Soley and Dr. Robert Sutor</b>						
<b>2:30-3:30PM</b>	NW-241 Topic Maps, Portals and Information Management	NW-242 WSDL 101	NW-243 Security Assertion Markup Language Basics	NW-244 Serializing Relational Query Results in XML	NW-245 Xbeans Release Two	NW-246 Dynamically Delivering Web Services to the Extended Business Ecosystem	NW-247 Using Standards-based XML for eBusiness
<b>3:45-5:00PM</b>	NW-251 Examining BizTalk and the BizTalk Server	NW-252 Dynamic Graphical Interface Systems	NW-253 Building Voice and Wireless Applications with Web Services	NW-254 XQuery in Practice: A Panel Discussion	NW-255 SOAP and Java: Beyond the Basics	NW-256 Web Services: The Third Way	NW-257 Reusable Web Services: A Case Study
<b>5:15-6:00PM</b>	<b>Keynote: "THE VALUE OF WEB SERVICES" • Robert W. Bickel, General Manager, Middleware Division, Hewlett-Packard</b>						

**Thursday**

<b>8:00-8:50AM</b>	NW-311 Architecting Web Services	NW-312 XSLT Techniques from the Vendor-neutral Testing Activity	NW-313 Implementing .NET Alerts	NW-314 Are You Ready for XML Schemas?	NW-315 How Does XML Fit in with Existing Data Access Standards?	NW-316 IT Infrastructure Roadmap	NW-317 Using SOAP to Solve Platform Interoperability
<b>9:00-10:00AM</b>	NW-321 Understanding J2EE Connector Architecture	NW-322 The Hows and Whys of the XML Family of Specifications	NW-323 Architectures for Wireless Handheld Computing	NW-324 Finding and Updating Data: SQL? XPath? XQuery?	NW-325 Core Services Framework	NW-326 GRID Infrastructure and Distributed Computing	NW-327 Lessons Learned Deploying SOAP/ebXML Web Services in the Energy Industry
<b>11:00AM-3:00PM</b>	<b>EXHIBIT HALL OPEN</b>						
<b>11:15AM-12:15PM</b>	NW-331 Introducing .NET MyServices	NW-332 XMLC: A Clean Alternative to Page Templates	NW-333 Web Services Standards	NW-334 RDF's Role in Knowledge Management and Web Services	NW-335 Automating the Development of Database-powered Web Services	NW-336 Weaving the Semantic (eBusiness) Web	NW-337 How User-centric Web Services are Already Helping the Enterprise
<b>12:30-1:30PM</b>	NW-341 Co-existence Between Integration Brokers and Web Services	NW-342 Generating Business Graphics With XSLT and SVG	NW-343 Beyond Web Services: XML Spaces	NW-344 Providing a Relational View Over XML Data	NW-345 AXIS: A Web Services Toolkit	NW-346 Infrastructure for eBusiness and Web Services (panel)	NW-347 Exposing Midrange Data and Applications with .NET
<b>2:00-3:00PM</b>	<b>Closing Reception in the Exhibit Hall</b>						



# PRE-CONFERENCE TUTORIALS

## MORNING SESSIONS

MONDAY, May 20 • 9:00am-12:00pm

### Session T-1

#### **A Comprehensive Technical Overview of Web Services**

SOAP is ushering in a new model of using the Web. Instead of browsing a web of linked documents and manually initiating requests by forms, SOAP allows us to access Web services directly, by invoking method calls on remote objects using an XML message and receiving an XML response document. SOAP might have been called "services-oriented architecture protocol," since it has moved forward from its roots as a Simple Object Access Protocol. But how do we find the services we want to access? UDDI, for Universal Description, Discovery and Integration, allows protocols like SOAP to be used to find required services and operational information necessary to bind to and use a service. SOAP services can be described using an XML language like WSDL to describe services and service providers.

*Mark Colan, e-business evangelist, IBM*

### Session T-2

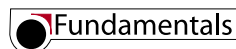
#### **Essential SQL**

Get an overview of SQL, including SQL-92 and SQL-99. Learn how to use SQL to access databases and insert, update or retrieve information. Discuss query techniques and how to use SQL for multi-dimensional data and hierarchies (trees). Gain a strong understanding of how SQL can be applied to software and Web services that require persistent data.

*Joe Celko, Author and Senior Consultant, Data Junction*

### Session T-3

#### **UDDI Workshop: Software Development and Integration with Web Services**



Cover design principles of UDDI and use Web services in software development and integration. See demonstrations of tooling from Microsoft for UDDI for the .NET platform and from IBM for the Java platform. The tools demonstrated include a walk-through of code for fundamental Web service discovery patterns for software development and integration. Look at the interoperability between the platforms through XML Web services.

*Andrew Hately, Staff Software Engineer, IBM*

## AFTERNOON SESSIONS

MONDAY, May 20 • 1:30-5:00pm

### Session T-7

#### **Using Java with UML: Application Development**

Review the UML notation and its support for effective software analysis, design and implementation. Delve into using UML to design Java applications with particular emphasis on producing a complete, runnable application in Java based on UML models. Create and complete a real-world applet using UML models to then generate and complete development of a runnable application. Go through a complete cycle of UML modeling and application development. Essential for Java developers considering the use of UML in an upcoming project.

*Greg Schottland, General Manager, Application Development Tools, Embarcadero Technologies Inc.*

### Session T-8

#### **The W3C XML Query Language**

A tutorial on XQuery, the W3C's new XML Query Language, presented by one of the creators of the language. All major language features will be presented using concrete examples and a working prototype. Workshop participants are invited to install a copy of the prototype on their machines, and are welcome to keep it.

*Dr. Daniela Florescu, BEA Systems; Howard Katz, Fatdog Software*

### Session T-9

#### **Thin Clients, Fat Databases and Web Services**

Web services often require persistent information from a database. Databases are a preferred solution for managing XML document collections. They are also a powerful solution for embedding logic such as Java classes used to support thin clients and lightweight Web services. Database vendors have been extending their products to support XML and Web services. This session explains XML-enabled databases, Java in the database, and searching and indexing techniques. It includes examples of database extensions that can be invoked by thin clients and Web services. The instructor explains how to store XML in a database and how to use XML extensions for Oracle, IBM DB2 and Microsoft SQL Server.

*Ken North, Conference Chair, NEXTWARE Spring 2002 Conference*



## FULL DAY SESSIONS

MONDAY, May 20 • 9:00am-5:00pm

### Session T-4

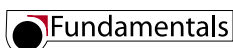
#### Building .NET Web Services

Building Web applications that integrate heterogeneous operating systems, object models and programming languages presents a wide variety of challenges. .NET includes several technologies and APIs that facilitate building open and scalable Web services that are easily composed into larger-scale Web applications. Examine the .NET XML APIs (XmlReader/Writer, XmlDocument, XmlNavigator), data access APIs (IDataReader, Dataset) and the HTTP APIs (HttpHandlers, ASP.NET/.asmx, remoting) and learn how they are used to build Web services.

Aaron Skonnard, Instructor and Author, DevelopMentor

### Session T-6

#### Essential XML Tutorial



Get a broad overview of XML and learn to apply XML technologies to application development. Examine XML basics such as elements and attributes, then cover related technologies like DTD, Namespaces, XSL, Xpath and DOM. Then apply your knowledge to common uses of XML in e-business application development. DOM and SAX will be used in a Java application to demonstrate using XML for data representation. Explore transformational capabilities through XSLT. See how XML standards such as SOAP are used to build Web Services. Leave with a strong understanding of how XML related technologies can be applied to application development.

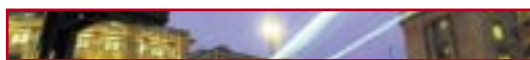
Tim McAllister, Senior Consultant, Object Answers

### Session T-5

#### Document Analysis and Markup Design

XML users have the opportunity to design their own tag sets. Analysis is key to the designing effective and affordable tag sets. Begin with basic concepts of structured markup and a grounding in what to look for when analyzing documents. Emphasize distinguishing useful from insignificant markup and design to limit the number of "false drops" (undesired items in a retrieval set) and to increase the percentage of desired information that is located, through design of the grammar and vocabulary control. Go through examples of markup to increase search precision or content reuse.

B. Tommie Usdin, President, Mulberry Technologies Inc.



## SPECIAL EVENTS

Monday, May 20 • 5:00-7:00pm

#### Opening Reception

Everyone is welcome to join us for drinks as we kick-off NEXTWARE Spring 2002.

Tuesday, May 21–Thursday, May 23 • 11:00am-5:00pm

#### Book Signings (in the bookstore, in the Exhibit Hall)

Check [www.nextwareexpo.com](http://www.nextwareexpo.com) for the latest schedule.

**Madhu Siddalingaiah**

*XML and Web Services Unleashed*

**Molly E. Holzschlag**

*Special Edition Using HTML and XHTML;*

*Special Edition Using XHTML*

**Adrienne Tannenbaum**

*Metadata Solutions: Using*

*Metamodels, Repositories, XML and*

*Enterprise Portals to Generate*

*Information on Demand*

**Dr. Vijay Kanabar**

*Dreamweaver 4.0 with UltraDev;*

*XML for the True Beginner*

**David Linthicum**

*B2B Application Integration;*

*e-Business-Enable Your Enterprise*

**Aaron Skonnard**

*Essential XML Quick Reference;*

*Essential XML*

**Joe Celko**

*SQL For Smarties; SQL Puzzles &*

*Answers: Data & Databases*

**Jason Garbis**

*Enterprise Corba*

**Dr. Rick Dobson**

*Programming Microsoft SQL Server*

*2000 with Visual Basic .NET*

**Kurt Cagle**

*SVG Programming*

**Dr. Richard Hackathorn**

*Enterprise Database Connectivity;*

*Using the Data Warehouse;*

*Web Farming for the Data Warehouse*

**Bruce Peat**

*Professional ebXML Foundations*

Tuesday, May 12–Thursday, May 23 • 11:00am-5:00pm

#### Vendor-sponsored Educational Sessions

Free to all attendees. Schedule available on [www.nextwareexpo.com](http://www.nextwareexpo.com).

Wednesday, May 22 • 7:30-9:00pm

#### XML/edi Meeting: Implementing ebXML Systems

OPEN TO ALL ATTENDEES

Register for the FREE "Exhibits and Events" Package

The XML/edi group will meet during NEXTWARE with two of the group's founders discussing their experiences in working with ebXML, the OASIS and United Nations initiative to produce specifications for a global e-business infrastructure.

#### Hosted by: XML/edi Group

"Implementing ebXML Systems" Two leading implementers of ebXML solutions explain their groundbreaking work with the US and Canadian governments. They also discuss a selection of industry associations and commercial implementations of ebXML-based e-business technologies. The ebXML specifications are fast emerging as the required standard for next generation e-business systems. Come learn how you can position your organization to take advantage of these techniques.  
*David RR Webber; Bruce Peat*

Thursday, May 23 • 2:00-3:00pm

#### Closing Reception

Join us in the exhibit hall for refreshments and the car giveaway.

Tuesday, May 21 • 8:00-8:50am • NW-111

### Understanding UDDI

Universal Description, Discovery and Integration (UDDI) define a mechanism to describe, discover and integrate Web services. It is one of three core technologies that support the Web Services infrastructure. Gain a technical overview of UDDI, and learn how it can be used in both public and private settings.

*Anne Thomas Manes, Chief Technology Officer, Systinet*

Tuesday, May 21 • 9:00-10:00am • NW-121

### Enterprise Application Integration for Developers

EAI is the unrestricted sharing of data among any connected application or data source in the enterprise. The business value of this is obvious. We can now integrate all systems with all other systems, freeing the information out of these systems and making all information accessible to anyone in the corporation. However, at the heart of the matter is the ability for developers and application architects to understand the value of EAI, and deploy the right technology and mechanisms to make application integration possible.

*David S. Linthicum, Sr. Vice President, R&D, CTO, Mercator*

Tuesday, May 21 • 10:15-11:15am • NW-131

### XML: Transforming Security on the Internet

XML is transforming security on the Internet, because it provides an ideal way to transport security information in an extensible form. Vendors are working to define standards to allow interoperability of key security features. Discuss the features, current status and relationships of the leading XML security standards, including XML Signature (a standard for digital signatures), XML Encryption, XML Key Management Services (XKMS, which provides PKI service representation in XML), Security Assertion Markup Language (SAML, which represents authentication and authorization operations in XML) and XACML.

*Jeremy Epstein, Director of Product Security, webMethods*

Tuesday, May 21 • 2:30-3:30pm • NW-141

### OASIS Standards on Web Services for Interactive Applications

OASIS, the XML interoperability consortium, recently announced its members have formed the OASIS Web Services Component Model (WSCM) Technical Committee to create a Web services standard for interactive application access. WSCM will provide a coordinated set of XML vocabularies and Web services interfaces that allow companies to deliver Web applications to end users through a variety of channels -- directly to a browser, indirectly through a portal or embedded into a third-party Web application. Get an introduction the new OASIS standards activity by outlining how it applies Web services to the end-user interface, illustrating example application scenarios that could make use of the standard and presenting the specific interfaces under consideration by the technical committee.

*Dr. Charles Wiecha, Manager IBM Research,  
IBM T.J. Watson Research Center*

Tuesday, May 21 • 3:45-5:00pm • NW-151

### Web Services, WSDL and UDDI

Two essential specifications of the Web services protocol stack are WSDL (Web Service Description Language) and UDDI (Universal Description Discovery and Integration). Understanding each of these initiatives -- in particular the way they delineate between abstraction and implementation -- is fundamental to comprehending the Web services model; understanding the relationship between the two is critical to developing software based on Web services. Explore how UDDI and WSDL are companion technologies. Also explore how this Web services software model has applicability behind the firewall. Deploying intranet/extranet UDDI services can provide an infrastructure for a Web services-based architecture.

*Karsten Januszewski, Program Manager, Microsoft Corporation*

Wednesday, May 22 • 8:00-8:50am • NW-211

### ebXML and Web Services

Web services has become a very hot topic this year, with many companies announcing new strategies and products called by that name, which is really just a term to describe many of the things that they've already been doing on the internet for quite some time. Web services can be simple, single, context-free communications or complex, bi-directional transactions, and are the foundation for all things related to e-commerce. OASIS sponsors a large number of technical activities related to Web services, including the ebXML project and other security and e-commerce related work.

*Dr. David Bannon, Director of Training and Documentation,  
Information Architects*





Wednesday, May 22 • 9:00-10:00am • NW-221

### Securing Extranet Applications

Security is a wide and diverse field with many differing attributes including privacy, authorization, authentication and accountability. Focus on securing extranet applications, such as Web services and wireless access. Discuss both architectural and programming techniques for securing these types of applications.

*JP Morgenthal, Chief Technology Officer, Ikimbo*

Wednesday, May 22 • 10:15-11:15am • NW-231

### Leveraging Web Services for Application Integration

Web services hold the promise of moving beyond the simple exchange of information -- the dominating mechanism for application integration today -- to the concept of accessing application services that are encapsulated within old and new applications. This means organizations can not only move information from application to application, but they also can create composite applications, leveraging any number of back-end application services found in any number of applications, local or remote. Look at the notion of Web services in context of application integration. Review approaches, architectures and enabling technologies that you can implement today.

*David S. Linthicum, Senior Vice President, Research and Development, CTO, Mercator*

Wednesday, May 22 • 2:30-3:30pm • NW-241

### Topic Maps, Portals and Information Management

Topic maps, originally conceived as ISO/IEC 13250:2000, are touted as the "GPS of Web," or the "GPS of the Information Universe." Take an applied look at topic maps and examine its basic concepts. Discuss the impact of topic maps on technologies such as portals and UDDI and see a prototype implementation.

*Norbert Mikula, Chief Technology Officer, DataChannel*

Wednesday, May 22 • 3:45-5:00pm • NW-251

### Examining BizTalk and the BizTalk Server

BizTalk is an initiative that includes the BizTalk framework, a SOAP-based XML protocol for document interchange, and Microsoft's BizTalk Server, which is a suite of tools used to route, transform and interchange documents, including XML and BizTalk-compliant documents. Explore the BizTalk Server, and how it can be used to facilitate interchanges between applications and trading partners. Step through an interchange scenario, and see real examples of interchanges.

*Brian Loesgen, Chief Software Architect, Stellcom*

Thursday, May 23 • 8:00-8:50am • NW-311

### Architecting Web Services

Focus on various aspects of architecting Web services from the perspectives of using J2EE and .NET frameworks. Discuss various phases of the enterprise integration life cycle from analysis to deployment. Review a case study to examine the scope, limitations and benefits of architecting Web services using J2EE and .NET.

*Dr. Tushar K. Hazra, CEO and President, EpitomiOne Inc.*

Thursday, May 23 • 9:00-10:00am • NW-321

### Understanding J2EE Connector Architecture

The J2EE Connector Architecture specification defines a standard for connecting J2EE-based application server containers with enterprise information systems (in other words legacy systems and packaged applications). This new standard gives application servers a significant boost to extend their reach into the world of enterprise application integration. They are rapidly gaining the capabilities that enable seamless, standard-based end-to-end solutions that facilitate integration of new components with existing applications. Get an introduction to the specification, it outlines the support by application server vendors, and take a look at the different types of adapters that are becoming available.

*Gerhard Bayer, Senior Consultant, ICG*

Thursday, May 23 • 11:15am-12:15pm • NW-331

### Introducing .NET MyServices

.NET MyServices (formerly codenamed "Hailstorm") is the first large-scale Web service initiative from Microsoft. It includes a number of services. Among the first that are available for developers are .NET Passport, .NET Alerts, .NET My Contacts and .NET My Calendar. Get a general overview of the .NET MyServices platform and how it can be used from within Visual Studio.NET and even other clients. Drill into some of the available services.

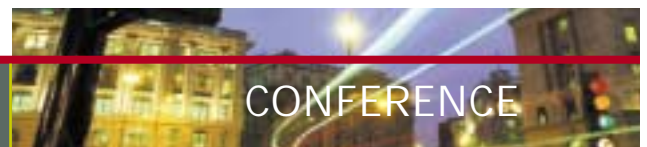
*Markus Egger, President, EPS Software Corporation*

Thursday, May 23 • 12:30-1:30pm • NW-341

### Co-existence between Integration Brokers and Web Services

Discuss integration broker trends from both an EAI and a B2B perspective and will discuss the convergence of technologies in this space. Look at how Web services plays a role in integration broker technologies and where it should optimally be used to implement end-to-end integration solutions. Discuss issues when using Web services as part of an integration strategy.

*Scott Simmons, Director of Technology Strategy, Peregrine Systems*



Tuesday, May 21 • 8:00-8:50am • NW-112

### The XML API Shoot-out

Compare the practical implementations of the tree-based Document Object Model (DOM) with the event-driven Simple API for XML (SAX). Learn the differences, strengths, weaknesses, options and advantages of one API over the other, and how to write code for each. Explore client- and server-side DOM scripting techniques through the examination of working code examples. Develop a fully functioning Java application during the session that instantiates a SAX parser to process any XML document it encounters. Examine the role of API integration in Web development in the context of real-world examples.

*Devan Shepherd, CEO and CTO, XMaLpha Technologies LLC*

Tuesday, May 21 • 9:00-10:00am • NW-122

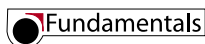
### XML to Object Binding using SAX and JAXB

XML has rapidly become the preferred data format for information interchange. In order to process XML documents programmatically, developers must parse, manipulate and possibly generate XML quickly and efficiently. An effective strategy involves mapping XML elements to business specific objects. Business specific object models tend to be easier to work with when compared with more general models such as Document Object Model (DOM). Discuss robust strategies for mapping XML to business specific objects. Examine a simple implementation using the popular SAX API, along with a more general approach using Java API for XML Binding (JAXB). See several examples, demonstrating the flexibility of the techniques.

*Madhu Siddalingaiah, Chief Technology Officer, Aquarius Solutions*

Tuesday, May 21 • 10:15-11:15am • NW-132

### XHTML: XML for Client-side Authors



Interested in improving markup practices? How about authoring documents for the Web wireless and alternative devices? Cover the ideological, structural and syntactical issues in XHTML 1.0; see how XML, CSS and XSLT work with XHTML; and get insight into the ways that XHTML can improve not only the creation and management of documents, but their interoperability, too.

*Molly E. Holzschlag, Author, Instructor, Designer, Molly.com Inc.*

Tuesday, May 21 • 2:30-3:30pm • NW-142

### JAX Pack: Java APIs for XML

Java and XML are perfectly married together as portable code and portable data. As an effort to fuel this marriage, Sun has launched an initiative called the JAX Pack. JAX Pack is essentially a bundle of a set of Java technologies for XML including JAXP (XML Processing), JAXB (XML Binding), JAXM (XML Messaging), JAX-RPC (XML-based RPC) and JAXR (XML Registries). Walk through the APIs, review their functionality and, with code examples and illustrations/demos, see how they can be used within applications.

*Hitesh Seth, Chief Technology Evangelist, Silverline Technologies*

Tuesday, May 21 • 3:45-5:00pm • NW-152

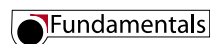
### XML Namespaces

In spite of the controversy that surrounds them, XML namespaces are neither complex nor difficult to use. Get an introduction to XML namespaces; learn what they are, what they are not and how to use them. Cover declaring and using XML namespaces in a document; using XML namespaces with DTDs and XML; Schemas; XML namespaces best practices; processing XML namespaces with SAX and DOM; and a brief description of RDDL, the pot of gold at the end of the namespace URI rainbow.

*Ronald Bourret, Freelance Programmer, rpbourret.com*

Tuesday, May 21 • 8:00-8:50am • NW-212

### XSL Stylesheets: An Introduction to Transforming XML Data



Get a nuts-and-bolts introduction to writing stylesheet and transformation scripts used with XSL. Examine the XSLT language by looking at several transformations and studying how they work (or why they didn't work). Learn how XSLT can be used for rendering XML into HTML, performing XML-to-XML vocabulary translations including radical restructuring of data, as well as creating PDF documents from XML data.

*Mark Colan, eBusiness Evangelist, IBM*



Wednesday, May 22 • 9:00-10:00am • NW-222

### Metadata as the Key to Information on Demand

#### Fundamentals

To understand data in today's world, we need to understand metadata. How are corporations handling metadata within their enterprise? XML has emerged as the leading platform for information exchange. While the potential of XML has been well documented, intelligent deployment of an XML solution ensures a successful implementation regardless of scope. By integrating XML with portals and the right metadata solution, a corporation can generate information on demand. Examine necessary components of an XML implementation and backs it up with real world case study successes (and lessons learned from failures).

*Adrienne Tannenbaum, President, Database Design Solutions Inc.*

Wednesday, May 22 • 10:15-11:15am • NW-232

### Mastering XPath

Go beyond basic XPath 1.0 topics and learn how the language really works. In order for you to truly understand XPath, you must first understand its basic data types, type coercions and comparison rules. Once you master those principals, the rest of the evaluation process is a breeze.

*Aaron Skonnard, Instructor and Author, DevelopMentor*

Wednesday, May 22 • 2:30-3:30pm • NW-242

### WSDL 101

The Web Service Description Language (WSDL) is the IDL of the future. WSDL is used to describe Web services in terms of programmatic types (XML Schema), ports/endpoints and message type (request/response, one-way, etc.). WSDL's complexity can be quite discouraging for developers new to XML, XML Schema and Web services. Simplify the specification to its basics while comparing different common approaches (e.g., document-literal vs. rpc-encoded, etc.).

*Aaron Skonnard, Instructor and Author, DevelopMentor*

Wednesday, May 22 • 3:45-5:00pm • NW-252

### Dynamic Graphical Interface Systems

The advent of XHTML, VoiceML, SVG and XML Forms, along with a significant shift in both first order XML technologies (XSLT, XML Schema) and the increasing importance of second order technologies (SOAP, XML Protocol, RDF, XTM, etc.) are bringing about significant new ideas about the production and roles of user interfaces over the Internet. Look at the notion of dynamically generated interfaces built in real time on the basis of XSD and RDF schema types, XSLT and Web services. Explore the role of HumanML as a vehicle for encoding more responsive interfaces, making it possible for an interface to change radically in response to competency, emotional state, preferences and existing situations.

*Kurt Cagle, Author, Cagle Communications*

Thursday, May 23 • 8:00-8:50am • NW-312

### XSLT Techniques from the Vendor-neutral Testing Activity

Examine ideas in structured information management that emerged as the OASIS Technical Committee on XSLT/XPath; Conformance was building a generic testing framework. Creation of scripts and other text files from XML is a particular strength. Discuss XSLT as a query mechanism and as a validator.

*David Marston, Software Quality Engineer, IBM Research*

Thursday, May 23 • 9:00-10:00am • NW-322

### The Hows and Whys of the XML Family of Specifications

#### Fundamentals

The XML family is rapidly expanding and much sibling rivalry is occurring. Look at why so many new standards are emerging, why the particular organizations are proposing particular standards and some likely outcomes. Focus on the architectural implications and organizational imperatives of many of the XML standards.

*David Orchard, Technical Director, BEA Systems*

Thursday, May 23 • 11:15am-12:15pm • NW-332

### XMLC: A Clean Alternative to Page Templates

JSP, Tag Libraries, WebMacro, ASP, Tea and other page template languages all share a fundamental flaw: the source code mixes display markup and presentation code. As much as their advocates like to say that they separate view from code, the fact remains that the source code is not actually HTML. This disparity results in a bottlenecked production process, where changes in front-end design are dependent on changes in back-end processing logic. If a launched site needs a new look, then template programmers must be recalled into duty for a tedious, bug-prone revamping before the new site can go live. XMLC changes this. In the XMLC model, the view source code is a 100% legal HTML page. The XMLC processor compiles this source page into a Java object with built-in hooks for changing the content.

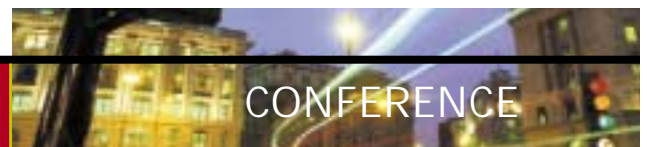
*Alexander Chaffee, Chief Executive Officer, Purple Technology*

Thursday, May 23 • 12:30-1:30pm • NW-342

### Generating Business Graphics with XSLT and SVG

Business graphics -- graphs, charts, maps and other informational pictures -- are crucial in helping us better understand the vast amounts of data that all of us are increasingly working with. However, the process of creating such graphics tends to be cumbersome at best, requiring fast, specialized talent or arcane knowledge of programmatic interfaces that many simply don't have time to master. The Scalable Vector Graphics language is an XML-based language for describing not only static graphics but also sophisticated animations and programmatic hooks. Because it is an XML language, it can also be readily combined with XSLT to create real time, interactive graphics based upon XML data streams of all sorts. Look at these technologies and how they can be leveraged by everyone.

*Kurt Cagle, Author, Cagle Communications*



Tuesday, May 21 • 8:00-8:50am • NW-113

### **Integrate the Power of Synchronized Multimedia into Web Pages**

With Synchronized Multimedia Integration Language (SMIL) you can create powerful websites with video and audio. You might have used SMIL already as it is supported by popular players including RealPlayer and QuickTime. IE 5.5 and Netscape 6 also support some SMIL now. Get a practical introduction to creating multimedia presentations. Create powerful applications and will be motivated to explore the next frontier in video animation.

*Dr. Vijay Kanabar, Professor, Boston University*

Tuesday, May 21 • 9:00-10:00am • NW-123

### **Mobile Application Messaging**

By 2003-2004, 75+ percent of knowledge workers are expected to be mobile (on the road, work at home, remote office, etc.) at least 25 percent of the time, according to META Group. As employees go wireless, it will be necessary for their enterprise applications to move with them. Communicating over wireless is more and more critical for sales and other mobile professionals. But to be effective, wireless networks must support a high level of reliability and provide guaranteed messaging to the home applications on the back-end. Discuss how messaging software enables guaranteed data transfer between mobile devices and enterprise applications to allow truly mobile business transactions.

*Rick Kuzyk, Senior Technology Evangelist, Sonic Software Corp.*

Tuesday, May 21 • 10:15-11:15am • NW-133

### **Error Handling in Web Services**

Today's Web services use a variety of techniques for communicating error information despite the fact that SOAP provides a standard mechanism for doing this. Examine the standard method of communicating errors using the SOAP protocol and shows you how to implement this using .NET. Get a brief overview of the SOAP <Fault> element and the standard rules for communicating error information. Examine the SoapException class and how it allows you to communicate rich custom error information. Learn how to write your Web service code to catch exceptions and send back standard SOAP <Fault>s with the appropriate codes and any custom information you like. Web services are all about standards, communicating errors should follow these standards.

*Yasser Shohoud, Creator, LearnXMLWS.com*

Tuesday, May 21 • 2:30-3:30pm • NW-143

### **The Role of Voice in Data Convergence**

With the proliferation of mobile devices changing the way people communicate and access data, both the consumer and enterprise markets are now ready for a simplified means of accessing messages. As carriers consider offering a unified communications solution to their customers, what will be the necessary applications for mobile data convergence to succeed? Cahners In-Stat predicts that the speech recognition software market will reach \$2.7 billion by 2005. Speech recognition will revolutionize Web content, putting it into a format accessible via a standard telephone, and ultimately creating a new class of Web sites that use an audio interface.

*Carmen Andia, Director of Product Management, Glenayre Technologies*

Tuesday, May 21 • 3:45-5:00pm • NW-153

### **Design Strategies for Developing VoiceXML Applications**

With the emergence of VoiceXML (Voice eXtensible Markup Language), developers are now able to create Voice-enabled applications as simply as they have created traditional browser-based applications. VoiceXML enables developers to create dynamic and personalized voice portals, which can be accessed by anyone via an ordinary phone. However, we are now faced with the challenge of selecting a key design strategy for voice enabling existing applications, databases Review the various approaches - the key design strategies, implementation alternatives, pitfalls, benefits and application scenarios.

*Hitesh Seth, Chief Technology Evangelist, Silverline Technologies*

Wednesday, May 22 • 8:00-8:50am • NW-213

### **Creating Custom Events in Web Services**

Software as a service is beginning to play an integral part of software development. Creating flexible, robust services is the key to taking maximum advantage of this technology. One way to create more flexible web services is to publish custom events for them. Custom events allow the developer to notify subscribers to the Web service when something interesting has happened. Develop a pharmacy Web service which allows customers to submit their prescriptions online. It implement custom events to notify the customer of important events such as when their prescription is ready.

*Michael G. Emmons, Software Architect, GoAmerica Communications*



Wednesday, May 22 • 9:00-10:00am • NW-223

### Services Anywhere

The Internet started it. The Web propelled it. Java flexes it. XML structures it. Wireless and speech channels extend it. Devices and appliances plug into it. Enterprises, homes, vehicles and public spaces re-architect themselves around it. A plethora of possibilities tantalize but confound strategic planning and decision-making. Get a framework and a broad overview of technologies, architectures and scenarios that continue to extend the vision of services that can be created, distributed and accessed from anywhere. Explore speech and wireless trends, plus an overview of speech- and wireless-enabled devices, how they are being used and how to extend an enterprise's architecture to support these emerging delivery channels.

*Balaji Prasad, EDS OnStar Chief Technologist, EDS*

Wednesday, May 22 • 10:15-11:15am • NW-233

### Mobilizing Business Processes

Examine issues involved with extending business processes out to mobile workers. Focus on an advanced XML-based distributed application architecture that uses SOAP messages and MSMQ to communicate between the participants in an application that spans handheld computers and enterprise servers. See how BizTalk Server can be used as a back-end business process engine to extend business processes to mobile workers using PocketPC-based handheld devices such as the Compaq iPAQ. See concepts applied in real working demonstrations.

*Brian Loesgen, Chief Software Architect, Stellcom*

Wednesday, May 22 • 2:30-3:30pm • NW-243

### Security Assertion Markup Language Basics

Gain a technical overview of SAML, the XML-based Security Assertion Markup Language standard developed at OASIS. Discuss how SAML enables single sign-on and other security scenarios and details about the authentication, attribute and authorization information that SAML can convey. Cover the protocol by which security information can be requested from SAML authorities and the practical realities of how this information can be transported securely across domains. Place SAML in the context of other XML-based security standards.

*Eve Maler, XML Standards Architect, Sun Microsystems Inc.*

Wednesday, May 22 • 3:45-5:00pm • NW-253

### Building Voice and Wireless Applications with Web Services

Examine how to build systems that expose real world and legacy applications via both voice and wireless interfaces. Web services are used to encapsulate both legacy and VoiceXML and SMS systems, and process flows are defined to create complex, rich applications. Examine the internal implementation of a voice and wireless based application in detail.

*Parand Tony Darugar, Co-founder, Chief Software Architect, VelociGen Inc.*

Thursday, May 23 • 8:00-8:50am • NW-313

### Implementing .NET Alerts

.NET Alerts allow the developer to inform the user about significant events, such as a flight schedule that has changed, information that just became available, etc. .NET Alerts represent classical push-technology, with the exception that the user is fully in control of what information is sent to her, when and where. Some information might be crucial to the user, and she expects to get it no matter where she is and what time it is. This requires the system to know how to contact the user at all times. Other information may be less important and may simply be retrieved the next time the user uses her office computer. .NET Alerts allows for all of this.

*Markus Egger, President, EPS Software Corp.*

Thursday, May 23 • 9:00-10:00am • NW-323

### Architectures for Wireless Handheld Computing

Gain an overview of wireless computing technologies and requirements for building point-to-point applications with wireless handheld devices. Cover of building for both radio and digital wireless networks.

*JP Morgenthal, Chief Technology Officer, Ikimbo*

Thursday, May 23 • 11:15am-12:15pm • NW-333

### Web Services Standards

Discuss the current and proposed Web Services runtime specifications and standards. Get an overview of the more refined specifications, SOAP and WSDL. Beyond SOAP and WSDL, it's clear that more is needed for web services. Features like reliable messaging, security, asynchrony, routing, packaging, workflow, sessions and quality of service measures are going to receive considerable treatment from standards bodies and vendors. Examine a variety of efforts in extending SOAP to meet these features, including a close examination of the technical aspects, and a comparison where there are overlaps. UDDI is not covered.

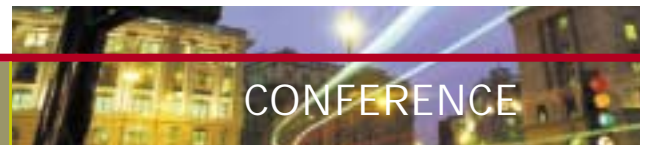
*David Orchard, Technical Director, BEA Systems*

Thursday, May 23 • 12:30-1:30pm • NW-343

### Beyond Web Services: XML Spaces

XML Spaces is a new communication paradigm that brings together tuple spaces, XML, the Internet, security and Web services to create a simple yet powerful substrate for rich document exchange. XML Spaces extends the Web services model with looser coupling, abstract addressing, asynchrony, arbitrary XML support, many-to-many interactions and document-level security. XML Spaces supports ad-hoc collaboration seamlessly within an organization or across the Internet. Examine the technology and learn how it can be applied to a wide variety of applications.

*Andrew Gray, Technology Evangelist, Rogue Wave Software*



Tuesday, May 21 • 8:00-8:50am • NW-114

### Taxonomies and Indexing

A taxonomic approach to indexing databases. Define taxonomies, classifications and thesauri. Make distinctions between filtering, indexing, meta data and subject term assignment. Taxonomies can be expensive to build, to maintain and to use. Tools are available to ease the pain. Learn the basics of such tools, including the desired features and the benefits of use. Discuss the costs of building, maintaining and deploying them.

*Dr. Jay Ven Eman, Chief Executive Officer, Access Innovations Inc.*

Tuesday, May 21 • 9:00-10:00am • NW-124

### Understanding XML Schema

XML Schema, which was issued as a W3C Recommendation in May 2001, is starting to take hold. New XML specifications, such as for Web services, require an accompanying Schema. Users using XML for e-business routinely use Schemas to describe the message sets to be exchanged. At the same time, there are aspects of XML Schema which are difficult to understand and parts of the specification can seem impenetrable to the non-expert user. Get an overview of XML Schema using increasingly complex examples. Focus on issues that users find difficult, such as combining schemas, type derivation and substitution groups, local type declarations, wildcards, use of namespaces and the date and time datatypes.

*Ashok Malhotra, Architect, Microsoft*

Tuesday, May 21 • 10:15-11:15am • NW-134

### RDF: Breaking out of the Labs

The Resource Description Framework (RDF) specification has been out for some time, but hasn't had widespread business use. One reason why is because RDF is heavily linked to the concept of the Semantic Web and most folks don't realize that RDF/XML can be used to satisfy many different business needs in addition to its use within the semantic Web effort. See demonstrations of applying RDF to various business tasks such as calendaring, application integration and intelligent web services, using a variety of tools based in Perl, Java and other programming environments.

*Shelley Powers, President, Burning Bird Enterprises Inc.*

Tuesday, May 21 • 2:30-3:30 • NW-144

### Principles of XML Schema Design

XML Schema has been approved as a W3C Recommendation in 2001 and is now being widely used for structuring XML documents -- not only in the database and e-commerce market, but increasingly also for publishing and content creation. Get an introduction to the elements of the XML Schema description language and outlining how XML Schema differs from DTDs. Review a graphical model for representing different XML Schema elements that greatly helps in expressing XML Schemas. Investigate existing methods and principles for XML Schema design that have their roots in proven object-oriented analysis and design principles. Get an overview of existing tools for XML Schema design and an outlook of what important role XML Schema will play with respect to Web services.

*Alexander Falk, President and CEO, Altova Inc.*

Tuesday, May 21 • 3:45-5:00pm • NW-154

### Querying XML Documents

The World Wide Web Consortium (W3C) XML Query Working Group was chartered in September 1999 to develop a query language for XML documents. The goal of the XML Query Working Group is to produce a formal data model for XML documents with Namespaces based on the XML Infoset and XML Schemas, a formal semantics for a set of query operators on that data model and then a query language with a concrete canonical syntax based on the proposed operators.

*Paul Cotton, Program Manager, XML Standards, Microsoft Canada*

Wednesday, May 22 • 8:00-8:50am • NW-214

### Leveraging ADO.NET for Windows and Web Solutions

Get an introduction you to the ADO.NET object model to contrast features for performing read-only, forward-only data access with those for working with a disconnected dataset. Discuss the ADO.NET object model will highlight the benefits of each approach to data access. Look at best practices for using each approach, and a summary of the the three ADO.NET data providers, for SQL Server, selected OLE DB data sources and ODBC data sources. See a pair of demonstrations illustrating the use of ADO.NET for building Windows Applications and ASP.NET applications.

*Dr. Rick Dobson, Author/Trainer, CAB Inc.*

Wednesday, May 22 • 9:00-10:00am • NW-224

### Mapping Documents to Databases

Discuss two common models for mapping schemas to databases: a table model and an object-relational model. While the table model is relatively simple to understand and implement, it only works on a small subset of XML documents. The object-relational model, on the other hand, works on all XML documents and handles such non-database concepts as mixed content and element order. Learn how to generate DTDs from database schema and vice versa, and how to map XML Schemas to databases, with an emphasis on relational databases.

*Ronald Bourret, Freelance Programmer, rpbouret.com*



Wednesday, May 22 • 10:15-11:15am • NW-234

### **SQLX: Bringing SQL and XML Together**

The SQLX Group develops specifications that bring XML together with SQL. Its specifications are submitted to other appropriate organizations for publication. Initial work focuses on publication of SQL data in an XML format, specifying the relationships between XML schemas and SQL databases and definition of a new SQL data type for managing XML data within an SQL environment. A new part of the SQL standard (SQL/XML) that includes the work of the SQLX Group is expected in early 2003. Cover all facilities currently approved by the SQLX Group, as well as those under active development.

*Jim Melton, Consulting Member of Technical Staff, Oracle Corporation*

Wednesday, May 22 • 2:30-3:30pm • NW-244

### **Serializing Relational Query Results in XML**

Look at different ways to serialize relational query results in XML from the point-of-view of a relational programmer that feels comfortable writing SQL queries and wants a simple way to generate XML. Focus on canonical mappings that expose the relational data model, heuristics to deduce semantical hierarchies based on the relational data, canonical rowset formats that allow the exact authoring of the XML and compares the three approaches with respect to their use scenarios and their potential benefits and shortcomings with respect to publishing data on the Web or for any-to-any data interchange.

*Dr. Michael Rys, Program Manager, SQL Servers SML Technologies, Microsoft Corporation*

Wednesday, May 22 • 3:45-5:00pm • NW-254

### **XQuery in Practice: A Panel Discussion**

Listen in on a panel discussion with members of the W3C XML Query Working Group. See the panelists' implementations of the XQuery language and demonstrate their different approaches to implementing the XQuery specifications.

*Moderator: Paul Cotton, Program Manager, XML Standards, Microsoft Canada*

*Panelists: Dr. Michael Rys, Microsoft; Jerome Simeon, Lucent; and other XQuery implementers*

Thursday, May 23 • 8:00-8:50am • NW-314

### **Are You Ready for XML Schemas?**

Discuss which XML rule technology is appropriate for your business, and the advantages and disadvantages of both XML Document Type Definitions (DTD) and XML Schemas. Cover migration strategies for organizations that have DTDs and want or need to migrate to XML Schemas. Look at the advantages of each of the various schema activities.

*Betty Harvey, President, Electronic Commerce Connection Inc.*

Thursday, May 23 • 9:00-10:00am • NW-324

### **Finding and Updating Data: SQL? XPath? XQuery?**

SQL is a declarative language that has become a standard for querying for structured data. XML has become the lingua franca for exchanging variety of information ranging from structured business data to unstructured text documents over the Web. XPath is a navigational approach to finding document content. For applications to find information in structured and unstructured data, the W3C has published the XML Query Language specification. XQuery is a declarative query language designed to fit the unique requirements of XML data. Examine declarative and navigational access to information, compare SQL and XQuery as solutions for querying documents and discuss possible enhancements to XQuery.

*Dr. Daniela Florescu, Researcher, BEA Systems*

Thursday, May 23 • 11:15am-12:15pm • NW-334

### **RDF's Role in Knowledge Management and Web Services**

Web services promise a high degree of automation to distributed applications. They also promise an unprecedented degree of integration by using XML. Web services can take an even greater leap in emergent value by taking advantage of knowledge-management concepts, building on Semantic Web technology. Doing so would not only establish a highly formalized and extensible infrastructure for Web services, but it would also provide a very inexpensive way to drive solid business analysis from transactional data. Resource Description Framework (RDF) has emerged as the language of Web-based knowledge-management. Look closely at RDF's role in Web services description and discovery, used in conjunction with or replacing: WSDL, UDDI and even the SOAP serialization.

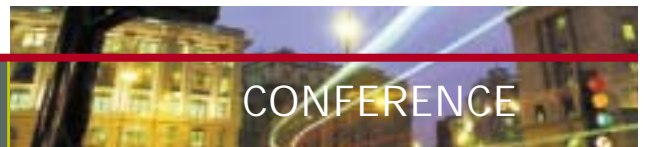
*Uche Ogbuji, Chief Executive Officer, Fourthought Inc.*

Thursday, May 23 • 12:30-1:30pm • NW-344

### **Providing a Relational View Over XML Data**

The abstraction of the standard and widely-used XML APIs such as the DOM or SAX are not well-suited for integrating XML data with relational data. Look at an XML rowset provider that allows the seamless integration of XML data with relational data. It allows the standard SQL mechanisms to use XML to insert or update data into relations, join XML data with relational data and even change or create XML data based on relational data.

*Dr. Michael Rys, Program Manager, SQL Servers SML Technologies, Microsoft Corporation*



Tuesday, May 21 • 8:00-8:50am • NW-115

### Access Control for Consumer Profile Sharing

While consumer profile interoperability across Internet services is building momentum, a method to express and enforce customer data dissemination policies (i.e., authorization, access control or entitlements) remains outstanding. Such a method requires great generality in order to represent a wide range of opt-in profile sharing agreements and privacy policies. Discuss the technical challenges for designing a solution, such as meta-entitlements, and surveys the related industry and standards bodies efforts.

*Dr. Eric V. Siegel, Director of Technology Integration, System Detection Inc.*

Tuesday, May 21 • 9:00-10:00am • NW-125

### Transaction Reliability in Web Services

Web services is an XML-based distributed computing model emerging as a means for businesses to communicate in a more ad hoc fashion and take advantage of functionality and services offered by others in their own applications. As companies begin to develop Web services-based applications, they are realizing the need for reliable messaging and cohesive transactions. Examine the addition of reliability to XML-based transport mechanisms, such as SOAP. Discuss transactions in a loosely-coupled environment and contrast them with classic transactions. Cover ebXML's messaging service and relevant work being undertaken by W3C and OASIS.

*Andy Roberts, Chief Technology Officer, Bowstreet*

Tuesday, May 21 • 10:15-11:15am • NW-135

### Using JSP and XML together

Most Java programmers know what JSP and XML are, but are a little unclear on how to use them effectively. Get an in-depth look at the architectural and functional considerations of designing a dynamic Web site using JSP, XML and Servlet technologies. Look at a sample application (an online photo album) with full, functional source code.

*Alexander Chaffee, Chief Executive Officer, Purple Technology*

Tuesday, May 21 • 2:30-3:30pm • NW-145

### Developing Web Services in Java

Discuss the development and deployment of a SOAP-based Web service using the Java programming language. Focus on the use of the Apache open-source SOAP packages. Discuss software development patterns and techniques for developing Web services based on the technologies of SOAP, XML, XML Schema and UDDI.

*Andrew Hately, Staff Software Engineer, IBM*

Tuesday, May 21 • 3:45-5:00pm • NW-155

### Transactions in a Web Services World

Providing end-to-end transactional integrity in the Web services arena is becoming extremely important, and will have direct relevance to the success of enterprise Web services. Supporting transactional applications in the loosely coupled world of Web services cannot be addressed solely by reusing traditional intranet-based transaction models. Long-lasting business transactions and the interdependent workflows among multiple trading partners need to be coordinated to ensure that the outcome of the transaction is reliable. Discuss the challenges of transacting within a Web services environment and propose an XML-based transacting model that will deliver end-to-end transactional integrity.

*Dr. Mark Little, Distinguished Engineer, Transactions Architect, Hewlett-Packard Company*

Wednesday, May 22 • 8:00-8:50am • NW-215

### Selecting the Web Application Server: An Under Cover Story

Application servers have become strategic middleware for today's IT environment in many large and medium size organizations. Making the best product choice will avoid wasting a significant amount of time and resources. Discuss the detailed evaluation criteria for the selection of an application server and identify the important areas where the drill-down on the information that vendors provide is necessary. Share some of the lessons learned going through the evaluation process for several of the major application server products.

*Max Dolgicer, Director, ISG*

Wednesday, May 22 • 9:00-10:00am • NW-225

### BizTalk Server: Coordinating Business Processes on Both Sides of the Firewall

Get a quick overview of BizTalk.org, a consortium that maintains XML Schemas for various industries, the BizTalk Framework Specification and the BizTalk Server 2000 product. Focus on product features like defining messages and the implementation of data transformation rules. Learn how business process diagrams can be layered on top of these integration capabilities. Understand the process modeling concepts of BizTalk Orchestration, the relationship of the process model to runtime instances, the transaction concepts for short- and long-term transactions and how messages are correlated with the integration layer.

*Gerhard Bayer, Senior Consultant, ISG*





Wednesday, May 22 • 10:15-11:15am • NW-235

### Building Standards-based Web Services with J2EE

Web services technology has shown its potential to revolutionize; inter-enterprise interactions, allowing for a new era in interoperable; wide-area B2B collaboration. With the widespread use of J2EE as; the platform of choice for middle-tier business logic and e-business systems, it makes sense to: retain this platform when entering the world of Web services. Discuss a framework for using J2EE technologies (Servlets, JSP, JDBC, EJB, etc.) to build Web; services, add Web service capabilities to an existing system and interact with external Web services.

*James Kao, Vice President, The Middleware Company*

Wednesday, May 22 • 2:30-3:30pm • NW-245

### Xbeans Release Two

An Xbean is a Java Bean software component that takes XML as input, processes it in some fashion and then passes XML on to the next Xbean. The Xbean paradigm allows developers to easily create distributed data flow applications. Focus on the second open source release of Xbeans. The second release includes sender, receiver, viewer, parallelizer, synchronizer, serializer, parser and XSLT translator Xbeans. The parser and translator provide Xbean interfaces to widely available XML parsers and XSLT engines. Learn how with Xbeans and a Java Bean design tool, it is possible to build a distributed data exchange application with little or no programming. Discuss building and executing a data exchange application from a Windows system to a Linux system.

*Bruce Martin, Senior Architect, Customware*

Wednesday, May 22 • 3:45-5:00pm • NW-255

### SOAP and Java: Beyond the Basics

So you've seen SOAP and have a basic understanding of what it can do, but what about. Covers a few of the tougher topics you run into when; integrating SOAP into your application architecture. Using Java as the implementation language, discuss topics such as the use of complex data; types, and wrapping Java EJB components as Web services and accessing them with SOAP. Through the use of sample code and working examples, gain a strong understanding of how to solve some of these tougher challenges using SOAP.

*Tim McAllister, President, Object Answers*

May 23, 2002 • 8:00-8:50am • NW-315

### How Does XML Fit in with Existing Data Access Standards?

Everyone agrees that XML is all about data ... yet integrating XML with your corporate data residing in Oracle, SQL Server, DB2, VSAM or IMS is a nightmare. Exposing your corporate data as XML is either proprietary, non-robust, extremely difficult or all of the above. Walk through how to expose your corporate data as XML through Java or C++ applications using standards based interfaces such as JDBC, ADO/OLE DB and ODBC. Learn how to modify existing standards-based applications to expose their data as XML.

*John Goodson, Vice President, R&D Operations, DataDirect Technologies*

Thursday, May 23 • 9:00-10:00am • NW-325

### Core Services Framework

How can technologies like XML, XSL, WML, JSP, Servlets and EJB be flexibly accommodated in a general-purpose architecture without creating a monolithic mess? How can future technologies be easily and rapidly accommodated, as the competitive and technological environment changes? Examine the architecture for the Core Services Framework (CSF) a freely available Java application framework that is based on the emerging Java Services Framework standard.

*Dr. David Booth, Senior Research Architect, Hewlett-Packard Company*

Thursday, May 23 • 11:15am-12:15pm • NW-335

### Automating the Development of Database-powered Web Services

Web services provide collaboration over the Internet but they are not always simple, lightweight programming projects. Many developers will aggregate services and integrate with application suites. Many services will require persistent information from databases. Web services developers will often; industrial-strength tools for modeling, design, partitioning logic, accessing databases and debugging remote methods. Discuss the requirements for tools capable of building robust services that provide SQL access, J2EE compliance and support for creating interoperable Web services.

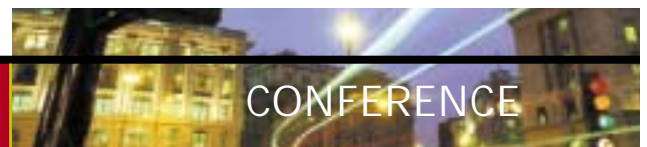
*Olivier LeDiouris, Principal Product Manager, Oracle Corporation*

Thursday, May 23 • 12:30-1:30pm • NW-345

### AXIS: A Web Services Toolkit

AXIS is widely regarded as the successor to Apache SOAP. This toolkit for building and invoking Web services delivers new levels of ease of use. Learn how to take advantage of the primary features in this toolkit which include: invoking Web services based on Web Services Description Language (WSDL); generating client stubs that invoke Web services from WSDL; generating service implementation skeletons from WSDL; deploying Web services using a servlet engine such as Tomcat; instant deployment of standard Java classes as Web services; customizing mapping from Java objects to XML used in SOAP messages; and SOAP request/response message monitoring.

*Mark Volkmann, Partner, Object Computing Inc.*



Tuesday, May 21 • 8:00-8:50am • NW-116

### **Six Technologies in Search of a Market: The Dynamics of Web Services, B2B, EAI, Java, XML and BPA**

A wide variety of different technologies and markets (Web Services, B2B, EAI, Java, XML and Business Process Automation) are rapidly emerging and converging and each claims that it is able to solve all of our integration problems. How much truth is behind this hype? Are things really different this time? Which of these technologies or markets should we focus on? Explore the state of the market and future trends for these technologies and present a vision of what an enterprise-class Web services integration platform must provide.

*Jason Garbis, Product Manager, IONA Technologies*

Tuesday, May 21 • 9:00-10:00am • NW-126

### **Can Web Services Save B2B?**

One of the reasons for the collapse of the new economy has been that poor data integration between front and back office functions hasn't allowed the high level of functionality needed to make the Web effective. But the new generation of Web services stands to change that. By automating the function of B2B transactions, Web services and the data integrating middleware inherent within them will radically affect the future of the Internet and the future of e-business. Gain a distinct vision of Web services, cleared of all the noise surrounding .Net and J2EE. Learn how data integration can lead to the B2B landscape we were promised just a few years ago. New economy has been that poor data integration between front and back office functions hasn't allowed the high level of functionality needed to make the Web effective. But the new generation of Web services stands to change that. By automating the function of B2B transactions, Web services and the data integrating middleware inherent within them will radically affect the future of the Internet and the future of e-business. Gain a distinct vision of Web services, cleared of all the noise surrounding .Net and J2EE. Learn how data integration can lead to the B2B landscape we were promised just a few years ago.

*Adam Greissman, Chief Executive Officer, UDICO*

Tuesday, May 21 • 10:15-11:15am • NW-136

### **Global Business Integration Strategies**

Speed and agility are keys for an organization to successful execution of eBusiness strategies. One major critical success factor is for organizations to enable integration of their business software applications in different ways that are much faster and less expensive than the current methods. Learn what customer organizations are saying about their goals for achieving dramatically faster and cheaper integration of business software components. Discuss different models for eBusiness, including ebXML and Web services. Look at new architectures and technologies for eBusiness. Discuss how XML plays a role and which standards to watch or adopt. Find out how stakeholders in this area can work together to achieve this objective. Look at results of a live B2B interoperability demonstration.

*David M. Connelly, President and CEO, Open Applications Group Inc.*

Tuesday, May 21 • 2:30-3:30pm • NW-146

### **Structuring a Global Internet Presence: It's Not Just Translation**

U.S. companies are under increasing pressure to operate globally due to significant growth opportunities, the need for diversification, and customer demand. As the marketplace becomes more competitive, successful e-businesses will be those who are profitable on small margins. This will require savings on the back-end. Careful planning and design of Web systems can lay the groundwork for integrated global operations and long-term savings.

*Kevin Roon, Vice President, Internationalization, Interdimensions*

Tuesday, May 21 • 3:45-5:00pm • NW-156

### **The .NET Free Zone**

You don't have to buy into a pure Microsoft solution to benefit from .NET type functionality. .NET is actually taking advantage of other, open technologies – technologies available to you directly. Look at the key aspects of .NET, in particular .Net MyServices, and discuss technology alternatives that don't tie you directly into any vendor. Also look at whether you can, or should, maintain .NET compatibility when you create your non-.NET solutions.

*Shelley Powers, President, Burning Bird Enterprises Inc.*

Wednesday, May 22 • 8:00-8:50am • NW-216

### **XML Reality Check**

XML has taken the industry by storm. Or has it? Four years after its inception, XML has moved from the peak of inflated expectations through the valley of disillusionment into a plateau of productivity. What are the killer applications for XML? What are the main risks of failure? For the standard, as well as for corporations that embark on XML projects. Review current trends around XML, get an overview of XML killer applications and focus on where XML can take the software industry. Look at XML application examples from the financial services, e-government and mobile commerce arenas and offers insights into the strategy of corporations building their business services center around XML.

*Chris Horak, Vice President of Business Development, Software AG*

Wednesday, May 22 • 9:00-10:00am • NW-226

### **Enabling Active Business Intelligence with Web Services**

In the new reality of our turbulent global economy, it is survival of the smartest. Business must be more responsive, pervasive, globalized and integrated. Embedding intelligence into every critical business processes is essential. Through data warehousing and OLAP analyses, business intelligence has been a useful but passive appendage upon enterprise systems. With the Web services architecture, BI can be blended into the mainstream of business processes. Review BI Web services products emerging from BI vendors and innovative architectures leveraging those products.

*Dr. Richard D. Hackathorn, President, Bolder Technology Inc.*



Wednesday, May 22 • 10:15-11:15am • NW-236

### How to Profit from Web Services and Share Revenues among Your Partners

In the new collaborative commerce world of Web services and business webs, you may be dealing with half a dozen companies and partners delivering a single Web service, without clear boundaries around revenue sharing and who gets paid and when. For companies to brand their offerings as Web-powered application services, they will need a way to share revenue - pay what they owe to the Web services companies, hosting facilities and other partners. Native XML Web services billing applications capable of interoperating cross-platform with existing systems are providing the missing ingredient - profitability. Learn how Web services billing and revenue sharing platforms let companies get paid for what their services are actually worth.

*Jim Culbert, Vice President of Technology, MetraTech*

Wednesday, May 22 • 2:30-3:30pm • NW-246

### Dynamically Delivering Web Services to the Extended Business Ecosystem

A new model for delivering Web applications has emerged, providing application services in the form of XML-based Web services. Composite Web applications, corporate and Internet Web sites are being constructed by assembling XML-based Web services from a variety of service providers. Standards like SOAP and UDDI were introduced to facilitate the technical integration of enterprise content and Web applications by developers. Subsequently, several different models have emerged for how Web services will be provided, billed for and delivered to the end-user. Review case studies on how companies have integrated XML-based Web services into their e-business strategies and the new technical, business and support issues that have ensued.

*Ed Anuff, Founder and Chief Strategy Officer, Epicentric*

Wednesday, May 22 • 3:45-5:00pm • NW-256

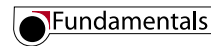
### Web Services: The Third Way

Throughout the past 20 years, the industry has been divided by a series of technological hardware and software platform battles. Now, with Web services, the industry has for the first time agreed on a ubiquitous interoperability solution. Thanks to industry standards such as XML, SOAP, WSDL and UDDI, a new spirit of interoperability is taking place that supersedes religious arguments over operating systems, languages, tools and applications. It prepares the ground for a new era of cooperation, a third way.

*Annrai O'Toole, Executive Chairman, Cape Clear Software*

Thursday, May 23 • 8:00-8:50am • NW-316

### IT Infrastructure Roadmap



How do Web services fit into the bigger picture of IT? No one likes to admit what they don't understand. Yet in IT, where the half-life of knowledge is less than four years, the levels of ignorance are often quite high. Without a product category taxonomy, confusion can lead to erroneous comparisons between apples and oranges. Use the IT Infrastructure Roadmap to see how Web services have evolved to become the latest category of middleware, following in the footsteps of formats and protocols, distributed services, application partitioning and application integration. Receive a free copy of the IT Infrastructure Roadmap wall poster.

*Jeff Tash, President, Flashmap Systems Inc.*

Thursday, May 23 • 9:00-10:00am • NW-326

### GRID Infrastructure and Distributed Computing

Analyze the technical infrastructure required to support B2B exchanges in the context of cutting edge industry deployments. From core transaction services through to transparent, secure and reliable Internet transports, de-mystify some of the more prominent technical challenges encountered, including solutions developed to deliver production strength B2B infrastructure.

*Geoff Brown, Technical Director, Oracle Corporation*

Wednesday, May 22 • 11:15am-12:15pm • NW-336

### Weaving the Semantic (eBusiness) Web

XML and Web Services have dramatically changed the way we think about the Internet and e-business. However, beyond this basic infrastructure, the real challenge is to bring intelligence to the Internet. We need to make information and applications "smarter" so that agents can execute tasks that otherwise would require tedious and lengthy human intervention. Discuss the various components of the current semantic Web efforts underway. Talk about ontologies, topic maps, RDF, Web services, distributed agent systems and artificial intelligence. Look at a landscape and roadmap for how the Internet will become an active medium—the world's largest supercomputer.

*Norbert Mikula, Chief Technology Strategist, DataChannel*

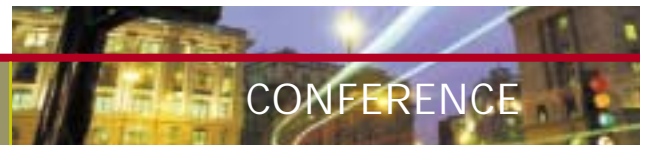
Thursday, May 23 • 12:30-1:30pm • NW-346

### Infrastructure for eBusiness and Web Services (panel)

The optimal solution for building 21st-century electronic business systems is to start from a base of standards and universally adopted technologies and specifications. Much work has been done to define specifications and technologies for a global eBusiness infrastructure. Discuss messaging, repositories and registries and electronic solutions for expressing business semantics. Examine ebXML, UDDI and protocols for eBusiness communications and collaboration.

*Moderator: John Pallatto, West Coast Bureau Chief, Internet World*

*Panelists: Dr. David Bannon, Information Architects; Dick Brooks, E-commerce Security Consultant; Mark Colan, IBM; Ann Thomas Manes, Systinet; David Orchard, BEA; David Turner, Microsoft*



Tuesday, May 21 • 8:00-8:50am • NW-117

### **Tasting SOAP: Early Project Experience with Web Services**

Discuss several IBM customer stories from United States and Europe and learn how these early adopters have deployed Web services technologies, highlighting the business value, application environments and lessons learned. Work through a detailed, step-by-step review of the design and implementation of one of the first true B2B implementations by a large Norwegian insurance company. See how secure transactions have been achieved through SOAP over HTTP, connecting a Microsoft Windows NT COM environment with an IBM WebSphere Java environment. The project involved also third-party vendor software and allows potentially to connect all 6,500 business partners of the insurance company.

*Anton Fricko, jStart Program Manager, IBM*

Tuesday, May 21 • 9:00-10:00am • NW-127

### **Building, Integrating and Using Web Services in a Production Environment**

Focus on a case study of Schober.com AG, a leading provider of address brokerage and direct marketing services in Germany, who used Oracle9iAS Web services to expose their address validation and credit verification applications as Web services for use by customers and partners. Based on J2EE applications exposed through SOAP, WSDL and UDDI, this work allowed Schober to easily expand their offerings to a variety of consumers (e.g. portal, wireless, and third party applications). Look at the development of an online merchant application that makes use of Schober's Web services.

*Timothy Chien, Senior Product Manager, Oracle Corporation*

Tuesday, May 21 • 10:15-11:15am • NW-137

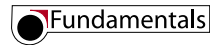
### **The Nuts and Bolts of an Award-winning WebSphere Implementation**

ICON Health and Fitness, the world's largest manufacturer of fitness equipment, has created iFIT.com. The site, given the WebSphere Advisor Excellence Award, is an interactive, fully integrated Web site for personalized fitness and nutrition. For ICON, iFIT.com provides a new revenue stream extends market leadership and gives valuable information about its customers. The site makes extensive use of IBM technology including IBM's WebSphere Application Server for personalized workouts and services, WebSphere Commerce Suite for commerce capabilities integrated with backend systems and DB2 OLAP Server and Data Warehouse Manager for insights into its customers. Discuss the nuts and bolts of this implementation from the chief architect and learn how your company can gain similar benefit.

*Mark Benyovszky, Vice President, Strategic Technology Services (SBI) Inc.*

Tuesday, May 21 • 2:30-3:30pm • NW-147

### **Guaranteed Business Exchange: Securely Exchanging Vital Business Data Over the Internet**



As more and more companies are deploying their back-end applications to the Web the B2Bi space is evolving rapidly. The question has moved from "Can we do it?" to "Can we use it for our core business processes?" Software vendors today are struggling to deploy an enterprise capable B2Bi solution. As major corporations adopt the B2Bi model for transacting business over the Web the same issues that plagued the early-90s client server market are rising again. Is it secure? Was the transaction received? Was it accepted? Was it processed? The next generation of Web-based business relationships requires software products that provide a Guaranteed Business Exchange (GBE). GBE ensures an end-to-end data exchange leading to the next generation of interoperable systems.

*Michael Fitzgerald, Chief Technology Officer, ProCaveo Inc.*

Tuesday, May 21 • 3:45-5:00pm • NW-157

### **Using XML and Web Services in the Financial Services Industry**

Wells Fargo Bank has been a leader in adopting information technologies. They have adopted and shaped XML standards in the financial industry in the US. XML messaging will be key to the enterprise architecture as they go forward. They are evolving the messaging infrastructure as well as the data warehousing and repository facilities in order to effectively leverage industry standards. They will be adopting substantial elements of the Web services architecture, although not all the B2B features are required within the bounds of the enterprise. Survey financial XML standards and the Web Services paradigm, and see the steps Wells Fargo is taking to incorporate these technologies in support of the enterprise architecture.

*Bob Carasik, Enterprise Architect, Wells Fargo Bank*

Wednesday, May 22 • 8:00-8:50am • NW-217

### **Bringing Geography to the Borderless Internet**

Give your Web site a geography lesson. Use real-world examples to see how you can leverage knowledge of an Internet user's physical location to target content, manage digital rights, detect online credit card fraud, conduct site analysis and foster regulatory compliance. Look at important issues such as Internet privacy and the consequences—both positive and negative—of establishing geographical borders on the global Internet.

*Chris Herringshaw, Co-founder and CTO, Quova Inc.*



Wednesday, May 22 • 9:00-10:00am • NW-227

### **XML and Web Services in the Future of Portals**

XML technology has been maturing rapidly to become the primary driver for the enterprise interfaces. XML is a key component in developing Web services. Explore the role of XML and Web services in the future prospects of portals. Discuss the current status of portals; the role and impacts of XML and Web services in the architecture of portals; and major issues, scope, limitations and recommendations towards the next-generation of portals.

*Dr. Tushar K. Hazra, President and CEO, EpitomiOne*

Wednesday, May 22 • 10:15-11:15am • NW-237

### **eBusiness Integration for Useful Web Services and Beyond**

Look at the reality and challenges facing IT organizations and the businesses they support. Examine the architecture and abstractions required to support Web services as part of a more generalized approach to eBusiness integration. Examine the larger issues of manageability and scale. Discuss the merits of different techniques for integration. Make an important connection from the business and technical realities of e-business to the abstract world of distributed object infrastructures. This understanding must be achieved, if the systems we build are to solve the real problems facing e-business in the 21st century.

*Paul Lipton, Director, Object Technology, Computer Associates*

Wednesday, May 22 • 2:30-3:30pm • NW-247

### **Using XML-based Enterprise Content Management**

XML is emerging as the great enabler of e-Business. Because it reduces the time-to-market and cost of implementation, XML is a driving force behind the technological shift that is leveling the competitive business playing field -- between big and small, incumbent and start-up. The low-entry cost and flexibility of XML enables fast-time-to-market for new e-Com initiatives. Explore how standards-based XML facilitates rapid content creation and helps make content available anywhere, in any format and on any device. Learn how publishing templates based on XML allows non-technical, knowledge workers to create, deploy and repurpose content.

*Jack Jia, Vice President of Engineering, Interwoven*

Wednesday, May 22 • 3:45-5:00pm • NW-257

### **Reusable Web Services: A Case Study**

For technical professionals who are faced with Web-enabling disparate systems. Discuss real-life examples and a case study on how metadata modeling, XML, RDF, ebXML and EJBs can provide reusable components for practical Web services.

*Dr. David Bannon, Director of Training and Documentation, Information Architects*

Thursday, May 23 • 8:00-8:50am • NW-317

### **Using SOAP to Solve Platform Interoperability**

Since 1999, IXIASOFT's TEXTML Server has only been available on the Windows platform through a COM API. To reach a broader customer base, it would have to allow JAVA clients to call TEXTML Server's COM objects. Discuss the real-life strategies and techniques used to eliminate this; potential barrier, which involved developing a new JAVA API that uses SOAP to help generate JAVA classes.

*Jean-François Ameye, Vice President of Applications, IXIASOFT*

Thursday, May 23 • 9:00-10:00am • NW-327

### **Lessons Learned Deploying SOAP/ebXML Web Services in the Energy Industry**

Discuss the experiences gained during the design, development and deployment of a SOAP/ebXML-based business to business Web service currently used by an organization responsible for the reliable delivery of electricity over one of the largest electric grids in the U.S. Get insight into the system design, development tools used, security tools used for access control and confidentiality, problems encountered during development and deployment (e.g. performance, security, reliability) and ultimately the "keys to cracking the code" that resulted in a "solution" that exchanges several thousand XML and X12 transactions per day, reliably, securely and cost effectively over the Internet.

*Dick Brooks, E-Commerce Security Consultant*

Thursday, May 23 • 11:15am-12:15pm • NW-337

### **How User-centric Web Services are Already Helping the Enterprise**

Marketing wars from giants like Microsoft, Sun and others have created great interest in Web services, but the majority of dialogue has centered on the benefits corporations will experience with enterprise application integration and. Although important, this lower-level architecture is only one portion of the larger Web services landscape. Higher-level, customer-facing solutions that end-users directly benefit from and interact with not only offer more far-reaching potential but also are already deployed today by leading corporations like Sun and GetThere, a Sabre Company. Hear about new engineering approaches that harness the power and pervasiveness of the Internet and make it intelligently work on behalf of users via any device.

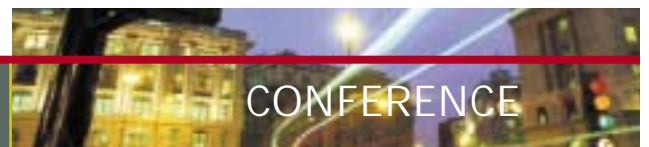
*Patrick Grady, CEO and Chairman, Talaris Corporation*

Thursday, May 23 • 12:30-1:30pm • NW-347

### **Exposing Midrange Data and Applications with .NET**

Many Fortune 500 IT shops use the IBM AS/400 midrange computer to serve large-scale applications and data. For many Windows, UNIX and Web developers, working with AS/400 applications and data is a big chore. With Web services, XML and .NET, developing applications that access AS/400 data and applications can be simplified. Discuss using Microsoft's .NET tools to create a Web service to simplify and secure the sharing of data between an AS/400 and another system, whether it's a Windows machine, PocketPC or UNIX workstation.

*Robert Standefer, Architect, EDS*



# NEXTWARE

## AGENDA



### MONDAY, MAY 20

9:00am – 5:00pm

5:00pm – 7:00pm

Pre-conference Tutorials

Opening Reception for Exhibitors and Attendees

### TUESDAY, MAY 21

8:00am – 11:00am

11:00am – 5:00pm

1:00pm – 2:15pm

2:30pm – 4:45pm

5:15pm – 6:00pm

Conference Sessions

EXHIBIT HALL OPEN

Keynote: Dr. Jean-François Abramatic

Conference Sessions

Evening Keynote: Dr. Robert Sutor

### WEDNESDAY, MAY 22

8:00am – 11:00am

11:00am – 5:00pm

1:00pm – 2:15pm

2:30pm – 4:45pm

5:15pm – 6:00pm

Conference Sessions

EXHIBIT HALL OPEN

Keynote Panel: Robert Bickel, Adam Bosworth,  
Andy Roberts, Dr. Richard Mark Soley, Dr. Robert Sutor

Conference Sessions

Evening Keynote: Robert Bickel

### THURSDAY, MAY 23

8:00am – 10:00am

10:15am – 11:00am

11:00am – 3:00pm

11:15am – 1:30pm

2:00pm – 3:00pm

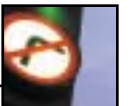
Conference Sessions

Keynote Address

EXHIBIT HALL OPEN

Conference Sessions

Closing Reception in Exhibit Hall





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- Unlimited badges for your booth personnel
- 30 "Exhibits and Events" Guest Passes for your pre-show mailings, good for free admission to the exhibit hall, keynotes, receptions and vendor-sponsored education all three days (a \$50 value each) – plus the opportunity to request more
- Company and product listings in the official Show Guide and on the event Web site
- Access to the on-site Press Room where you can distribute your media kits and hold informal press conferences
- Opening Reception, Monday, May 20, and Closing Reception, Thursday, May 23, for your exhibit staff
- Free link from your company name on our online exhibitor list ([www.nextwareexpo.com](http://www.nextwareexpo.com)) to your company's Web site
- Event Marketing and Sponsorship opportunities, made available only to exhibiting companies

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### Exhibit Sales

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Nancy Moss	—	<a href="mailto:nmoss@penton.com">nmoss@penton.com</a>	—	408-353-3702

### Event Marketing and Sponsorships

Grace Moy	—	<a href="mailto:gmoy@iw.com">gmoy@iw.com</a>	—	508-460-6748
Mary Warley	—	<a href="mailto:mary@iw.com">mary@iw.com</a>	—	508-660-1635

# NEXTWARE

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# FACULTY



**Aaron Skonnard, Instructor and Author, DevelopMentor** Skonnard develops the XML and Web service-related curriculum at DevelopMentor. He co-authored *Essential XML Quick Reference* and *Essential XML* published by Addison Wesley. Aaron also writes "The XML Files" column for *MSDN Magazine* and speaks at various XML-related conferences. <http://staff.develop.com/aarons>

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**Adam Greissman, CEO, UDico** Greissman is the principal author of the Universal Data Interface (UDI) server platform. With nearly 20 years of experience in commercial software development, Greissman has developed some of the largest middle office reporting and risk managements systems in capital markets. Greissman is a noted industry expert in such topics as the development of industry specific XML dialects, real-time transaction processing for Internet applications and high volume batch processing for financial institutions. Greissman was a co-founder of the Financial Products Markup Language project (FpML, [www.fpml.org](http://www.fpml.org)), an XML-based markup language for currency and interest rate derivatives.

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**Alexander Falk, President and CEO, Purple Technology** Falk has been actively involved with XML since the beginning and is a member of the W3C Advisory Committee and the W3C XML Schema Working Group. He authored the XML Schema processor and XML parser for XML Spy, the highly popular XML software suite produced by Altova. Falk is a member of the Altova Board of Directors, co-founded the company in 1992, and has been its CEO ever since. Prior to founding Altova, Falk worked for Apple Computer Inc., where he contributed to the ResEdit software within the Development Systems Group. Falk holds a university degree in semiconductor physics.

**Andrew Gray, Technology Evangelist, Rogue Wave Software** Gray leads the development of XML infrastructure solutions and evangelizes new technologies. He speaks frequently at industry conferences in Europe and the U.S., including Web Services, XML World Europe, XML Days Europe, European Banking Technology Fair, TeclT and a number of Rogue Wave events and Webcasts. Gray earned a Master of Science degree in computer science from University of California San Diego, and a Bachelor of Science degree in computer science from Harvey Mudd College. Prior to joining Rogue Wave, he worked for several years as a technical lead and product manager in the electronic design automation industry.

**Andrew Hately, Staff Software Engineer, IBM** Hately is a software engineer in IBM's Solution Technologies division. Andrew is a member of the UDDI working group and the implementation team for IBM's UDDI Business Registry node. Andrew's background includes IBM products developed in Java using networking and XML technologies. Andrew has also worked on several XML, Java and Web service projects and products for IBM's emerging technology group.

**Andy Roberts, Chief Technology Officer, Bowstreet** Roberts provides technical vision for Bowstreet and participates in the design of Bowstreet's technology and products. He also participates in many of Bowstreet's XML initiatives and speaks regularly with customers and at Bowstreet-attended conferences. Prior to joining Bowstreet, Roberts was vice president of product design and planning and chief product evangelist for Parametric Technology Corporation (PTC), a highly successful provider of mechanical design automation solutions. One of the lead architects of PTC's product strategy, he designed and prototyped more than 20 shipped software products in the Pro/ENGINEER family, a product line that generates \$1 billion in annual revenue. Roberts began his career at PTC in January 1990 as a product manager. His background also includes technical management positions with BankBoston and Citicorp, where he designed new products for ATM networks and programs for reducing credit-card-system security risks, respectively.

**Anne Thomas Manes, CTO, Systinet** Anne is a frequent speaker at trade shows, author of numerous articles and a participant in Web services standards development efforts at W3C and UDDI. Before joining Systinet, Anne was director of market innovation at Sun Microsystems where she explored innovative ways to apply technology to create new solutions. Before joining Sun, Anne was a senior analyst with the Patricia Seybold Group, and editor-in-chief of "Distributed Computing Monitor," a monthly newsletter. Anne developed her expertise working at a number of the world's leading hardware and software companies. [atm@systinet.com](mailto:atm@systinet.com)

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**Anton Fricko, jStart Program Manager, IBM** Fricko works with customers and business partners in Europe who team with IBM to get started with emerging technologies such as XML, EJBs and Web services. Tony has been with IBM since 1971 and in this time worked on IBM's VM operating system and relational DB development, international technical support, Java and network marketing, systems management sales and several other roles. Tony is working for IBM Austria and currently on assignment to the Hursley Laboratories in England.

**Ashok Malhotra, Architect, Microsoft** Malhotra spent 26 years at IBM Research before moving to Microsoft. He has published of more than 50 papers, several patents and has spoken at numerous technical conferences. Earlier in his career, Malhotra worked for a management consulting company that conducted courses for senior executives. During his last few years at IBM and currently at Microsoft Ashok represented his company in several W3C standards working groups. He's co-editor of the XML Schema specification and the on-going XML Query draft specification. Malhotra co-authored Document Type Description (DTD), an early Schema language proposal and more recently a proposed specification for Web services inspection.

**B. Tommie Usdin, President, Mulberry Technologies Inc** Usdin is a frequent speaker at executive seminars and conferences. Last year she was the keynote speaker at the annual meeting of the executive staff of a major multi-national publishing consortium. She has spoken at meetings of the Association for Computing in the Humanities, Association for Computing Machines, SGML Forum of New York, the Mid-Atlantic SGML Users Group and the Northern California SGML Users Group and Extreme Markup Languages, Markup Technologies, XML One, XML DevCon, International Markup, TechDoc, Seybold, SGMLXX conferences, SGML Europe, XML Europe, Internet World and SGML Asia/Pacific conferences. Usdin's consulting practice includes teaching topics as varied as XML syntax and impact of XML on organizational culture to executives, programmers and writers.

**Balaji Prasad, EDS OnStar Chief Technologist, EDS** Prasad is the EDS chief technologist for OnStar, the leading telematics provider in North America. He was the principal architect for the OnStar Virtual Advisor, a speech-enabled service for OnStar subscribers. Prior to his current role, he set key directions for EDS and GM in different areas including middleware, client/server and data warehousing. Balaji has been in the IT industry for 20 years and is a frequent speaker at forums such as CTIA and Internet World. His education includes a Bachelor's in engineering and a Master's in Business Administration.



**Betty Harvey, President, Electronic Commerce Connection Inc.** Harvey has been working in the XML/SGML field for approximately 10 years. She's worked with many major industries, including aviation, telecommunications, publishing, government. She is currently working with the House of Representatives. Harvey has given many XML/SGML training courses on all general XML/SGML technologies and specific XML/SGML products in the U.S., Canada and Sweden.

**Bob Carasik, Enterprise Architect, Wells Fargo Bank** Carasik is an enterprise architect at Wells Fargo Bank in San Francisco. He is responsible for middleware and intranet technologies as well as meta-data integration, and has recently focused on XML technologies. He advises several application integration projects at Wells. When he was at DHL Systems, Bob built a CORBA interface to the corporate repository and led a demonstration project which showed use of messaging middleware to support component interfaces. He led the implementation of a repository-based Web site for corporate documentation. He has led research projects in groupware, logic databases and conceptual modeling approaches. He has a degree in creative writing from the University of Michigan, an MS in computer science from Stanford.

**Brian Loesgen, Chief Software Architect, Stellcom** Loesgen is a chief software architect at Stellcom Inc., a San Diego-based leader in advanced enterprise and mobile solutions. Brian uses his XML expertise to translate new, leading-edge technologies into real-world value. He is a co-author of the *Professional XML*, *Professional ASP/XML* and *Professional Windows DNA*.

**Bruce Martin, Senior Architect, Customware** Martin teaches courses in distributed computing, J2EE, Application Servers and XML-based B2B. Bruce is one of the pioneers of distributed object computing. At HP Labs in the early 90s, he performed research on an interface definition language that became the basis for HP's CORBA submission. At Sun Microsystems, he was one of Sun's CORBA architects and was the primary author of five of the OMG's CORBA Services specifications. Bruce has an excellent ability to convey both the conceptual basis of a technology and the practical use of it. He has given talks around the world on distributed object systems, advanced transaction models, object oriented programming and XML. Bruce has written many papers for conferences, journals and books.

**Bruce Peat, Co-founder, XML/edi Group** Peat is co-author of *Professional XML* and *Professional ebXML Foundations* (WROX).

**Carmen Andia, Director of Product Management, Glenayre Technologies** Prior to her appointment at Glenayre, Andia served as a product group manager at Bell South Cellular. She led a new IN prepaid product development team and implemented wireless prepaid services. At Bell South she also participated in channel marketing and communications efforts for the prepaid program. Andia earned a Bachelor of Electrical Engineering from Villanova University and a Master of Business Administration from Rutgers. She was awarded five patents for the Prepaid System IVR while at BellSouth Cellular. Andia has spoken at several industry events including the International Prepaid Conference and GSM North America. She speaks both English and Spanish.

**Dr. Charles Wiecha, Manager IBM Research, IBM T.J. Watson Research Center** Wiecha is chair of the OASIS Technical Committee on Web Services Component Models for Interactive Applications. He is also manager, NextWeb User Interface Frameworks, at the IBM T.J. Watson Research Center, Yorktown Heights, NY. He received his Ph.D. from Carnegie-Mellon University focusing on the design and evaluation of user interface frameworks. While at IBM Research he has continued to work in the area of transformation-oriented user interface frameworks, and has led projects in their use in large-scale practice. wiecha@us.ibm.com.

**Chris Herringshaw, Co-founder, CTO, Quova Inc.** Chris is responsible for all of Quova's research efforts. Prior to co-founding Quova in January, 2000, Chris was founder and president of Daedalon Technology, a software design firm. Prior to Daedalon, Chris served as a senior design engineer at NetGenesis. Chris earned his computer engineering degree at the University of Michigan. Chris is an experienced teacher and presenter, having taught networking courses to businesses at the University of Michigan. An accomplished author, Chris's articles have appeared in publications such as *Network Magazine* and *Internet World*. He is scheduled to speak at the Digital Rights Management seminar in Amsterdam.

**Chris Horak, VP of Business Development, Software AG** Horak has been in the software industry for 18 years, working in product management, product marketing, corporate marketing and business development for Informix, BEA Systems and, most recently for Software AG where he is the vice president responsible for global business development. Chris co-authored the book *the XML Shockwave* and is a frequent public speaker at event such as Gartner IT Expo, the IDC Executive forum, The Lehman Brothers Technology Forum, ISPCON Frankfurt and XML One, where he has held keynotes in Boston, Austin, San Jose and Chicago. Chris is an expert in data base management systems and middleware and has taught classes in technical translation/localization at the Munich Academy for foreign languages.

**Dr. Daniela Florescu, Researcher, BEA Systems** Florescu is an expert in query languages and query processing focusing on XML technologies. She holds a Ph.D. from University of Paris VI in the area of query optimization for object-oriented databases. At AT&T Research Labs, she developed the XML-QL query language. She worked as a researcher at the French National Research Center in Computer Science (INRIA), where she continued her studies of XML and declarative programming languages. As visiting scientist at IBM Almaden Research Center, she participated in the design of the Quilt query language, the precursor of the W3C XML query language (XQuery). During the past 10 years she published more than 50 research articles and participated in the development of more than six query languages: SQL, OQL, XML-QL, XQuery.

**Dr. David Bannon, Director of Training and Documentation, Information Architects** Bannon has taught metadata modeling, Web-enabling databases and accessing disparate systems through a single interface to GM, Kodak, Novell and many others. Bannon's new books, *Introduction to RDF and Web-enabled Databases*, are due from Prentice-Hall in 2002. He has appeared on the Discovery Channel, A&E and The History Channel. He serves as a Project Team Member for the UN/OASIS ebXML Initiative.

**Dr. David Booth, Senior Research Architect, Hewlett-Packard Company** Prior to joining HP Bluestone, Booth was a researcher for AT&T Bell labs. He has been programming for many years, using a variety of programming languages. Currently, he primarily uses either Java or Perl. Booth holds a PhD in computer science from UCLA.

**David M. Connelly, President and CEO, Open Applications Group Inc.** Connelly has more than 25 years of experience in building, supporting and integrating software. He has worked for end-user organizations, Software vendors, and for an international not-for-profit standards organization. David has 20 years of public speaking experience. He has spoken at both technology and business focused forums, including the Penton Supply Chain Conference. He is scheduled to speak at a pan-European summit on e-business integration in Amsterdam. As the CEO of the Open Applications Group, he is in a unique position to see and communicate technology and business events and trends in e-business and application integration. His organization, the Open Applications Group, is a world leader in XML standards for business software integration.

**David S. Linthicum, Senior Vice President, Research and Development, CTO, Mercator** Linthicum is an internationally known EAI and e-business integration expert. In his career David has formed many of the ideas for modern distributed computing including EAI (enterprise application integration) and B2B application integration, approaches and technology in wide use today. In addition, David has authored more than 300 articles for major computing publications, and has monthly columns in several popular industry magazines. David has authored or co-authored six books including his most recent *B2B Application Integration: e-Business-enable Your Enterprise*.

**David Marston, Software Quality Engineer, IBM Research** David works full-time on conformance testing of XSLT and XPath and tracks the evolution of the 2.0 specs. As a member of the OASIS XSLT/XPath Conformance Committee since its founding, David is active in W3C QA Interest Group. He's been a presenter at XML 2000, XML DevCon 2001, HyperText 1996 and many events at state (NH) and regional (New England) level. Presenter at dozens of company-internal training sessions over his 25 years of computer experience.

**David Orchard, Technical Director, BEA Systems** Orchard is the W3C lead for BEA, focusing on Web services standards. He is a member of the W3C Technical Architecture Group, Web Services Architecture, XML Protocol, XML Core and Advisory committees. He is currently or has been a co-editor of the XML Link and XInclude specifications, and the SAML domain model and core assertions document. He participates actively in Web services related Java standards. He has written numerous technical articles and is a frequent speaker on various internet related technologies.

**David Turner, Senior Program Manager, .NET Developer Platform Division, Microsoft** Turner is responsible for defining, coordinating and communicating the architectural elements of XML, SOAP and the Global Web Services Architecture. He has been a principal driver of XML technologies at Microsoft since early 1998. HBefore working at Microsoft, David was responsible for shipping SGML and HTML authoring products and Internet development tools. He has been working with XML and structured information for over eight years. He is currently Microsoft's representative to the W3C Advisory Committee and is also Microsoft's representative to OASIS. David has a degree in Engineering Science from the University of Western Ontario, Canada.

**David RR Webber, Co-founder, XML/edi Group** Webber is co-author of *ebXML: The New Global Standard* (New Riders).

**Devan Shepherd, CEO and CTO, XMaLpha Technologies LLC** Shepherd has more than 25 years of progressive experience in the IT industry as a developer, executive, solutions provider and highly qualified instructor. He is CEO and chief technical officer of XMaLpha Technologies LLC (XMaLpha.com), a successful consulting and technology training practice. Licensed by the Minnesota State Colleges and Universities Directorate, he also holds a full research and faculty position, as a professor of computer science at St. Paul College, where he teaches XML, HTML, client and server-side programming and a variety of Web development technologies. He has developed curricula and taught traditional programming languages, structures, Java, C, C++, C#, .NET, Visual Basic and other topics at educational institutions in North America and Europe.

**Dick Brooks, E-Commerce Security Consultant** Brooks is the project manager responsible for the project described in the case study in Session NW-327. He's also co-author of *ebXML's Message Service* and served as ebXML's liaison to the World Wide Web Consortium. Brooks also leads the convergence of SOAP and ebXML on behalf of ebXML.

**Ed Anuff, Founder and Chief Strategy Officer, EPICentric** Anuff oversees all product management responsibilities, and serves as EPICentric's product visionary leader. With more than 12 years of high tech experience, Anuff has held numerous leadership roles across the areas of product management, marketing and business development. Additionally, he is the author of the best-selling *Java Sourcebook*, published by J. Wiley and Sons, one of the first books on the Java programming language. A graduate of Rensselaer Polytechnic Institute, Ed is a frequent contributor to publications such as *Wired* and speaks regularly on topics including Web business models, e-commerce and content syndication.

**Dr. Eric V. Siegel, Director of Technology Integration, System Detection Inc.** Siegel served for three years on the faculty of the Department of Computer Science at Columbia University, where he completed his Ph.D. in 1997. Eric's research focus is in machine learning and natural language processing, on which he has seven publications. Eric has taught several courses in AI, theory and introductory computer science, was awarded the Distinguished Faculty Teaching Award by the Columbia University School of Engineering and Applied Sciences and has published three papers in computer science education. Eric served as CTO at Kargo Inc. for one-and-a-half years, and now works as a scientist at System Detection Inc.

**Eve Maler, XML Standards Architect, Sun Microsystems Inc.** In the last five years, Maler has developed and delivered several highly regarded conference talks and tutorials and corporate training courses on XML concepts, DTD development methodology, schema concepts and XML linking. Eve is also the co-author a unique book on SGML DTD design in 1996 that is still quoted and recommended today. Maler has co-founded and is active on the OASIS SAML technical committee, and chaired the committee through its requirements-gathering phase.

**Geoff Brown, Technical Director, Oracle Corporation** Brown is contributing architect for the Oracle Message Broker, 8i Server Transaction Platform, and B2B infrastructure for Oracle Exchange.

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**Greg Schottland, General Manager, Application Development Tools, Embarcadero Technologies Inc.** As general manager of Embarcadero Technologies' Application Development Tools, Schottland is responsible for overseeing the company's products and services relating to the visual modeling and application development market, leveraging these solutions to focus on the rapid deployment of Java applications. Schottland was founder, president and CEO of Advanced Software Technologies Inc., which was acquired by Embarcadero. Prior to Advanced Software, Schottland held a variety of prominent management positions throughout his accomplished career in software engineering, and has spearheaded large-scale development projects at IBM, Bell Laboratories and Lockheed Martin.

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**Howard Katz, Proprietor, Fatdog Software** Katz has done computer-related training for departments of both the Province of British Columbia and the Canadian Federal government. He's spoken on XML technical topics, including SAX, at a number of XML conferences and has taught courses in Pascal and Macintosh assembly-language programming at the junior-college level.

**Jack Jia, Vice President of Engineering, Interwoven** Prior to joining Interwoven, Jia was a founder and CEO of V-max America. Jia led operating systems and applications development at SGI, Sun Microsystems, Stratus and at NASA for more than a decade. He has spoken at various high level conferences, including Comdex, Gartner Group conferences and the World Internet Think Tank conference and on television programs including, CNN, NBC, Hong Kong television among other local Silicon Valley television shows. In addition, Jia is the holder of a number of technology patents. Jia holds a Bachelor of Science in electrical engineering and a Master of Science in computer science from the Northern Jiao-Tong University, Beijing.

**James Kao, Vice President, The Middleware Company** Kao has extensive experience in speaking, teaching and writing in addition to core technological expertise. At The Middleware Company, James' primary jobs are training and consulting, as well as developing course materials. He regularly teaches classes on EJB, J2EE and XML Web services. In fact, he is the author of the company's Web services course and has extensive experience in that area. In addition to training classes, he has also spoken at various venues such as JavaOne 2001 in San Francisco and Japan.

**Jason Garbis, Product Manager, IONA Technologies** Garbis has 12 years' experience in the software industry, beginning his career with seven years as a software engineer developing distributed software systems. After this, he spent three years as a software consultant, focusing on the design and implementation of enterprise-class CORBA systems. Currently, Garbis is Product Manager for IONA's Enterprise Integrator product. He has written numerous technical articles, and is co-author of Enterprise CORBA. He has spoken at numerous conferences and technical seminars worldwide. He has a degree in computer science from Cornell University, and an MBA from Northeastern University.

**Dr. Jay Ven Eman, CEO, Access Innovations Inc.** Ven Eman has overseen Access' database production services where he was responsible for the design and conversion of large, legacy databases for a variety of government and commercial organizations. He writes, gives workshops, consults and helps build large-scale, complex, information-rich databases. Currently, he is helping launch a new, major scientific, technical and medical (STM) taxonomy and knowledge domain that's being developed by Access. He received his Ph.D. in organizational behavior from the University of Colorado in Boulder.

**Jean-François Ameye, VP of Applications, IXIASOFT** Ameye leads a team of developers whose mandate is to develop custom applications around IXIASOFT's core XML technologies. The purpose of these applications is to facilitate end-user development with IXIASOFT products. When IXIASOFT was launched in 1998, Jean-François was hand selected from its mother company's technical staff to lead application development. He was a project manager with CEDROM-SNI from 1994 until the time IXIASOFT was launched. He brings extensive experience in software application development, logistics, as well as leading many vital projects for CEDROM-SNI in Canada and Europe. Jean-François holds a degree in mechanical engineering from the University of Montreal.

**Jeff Tash, President, Flashmap Systems Inc.** Tash is an internationally recognized authority on middleware. Jeff specializes in synthesizing the broad spectrum of emerging information technologies into graphical images that depict the relationships among the multitudes of IT product categories. More than a million of his Roadmap wall posters have been distributed to IT professionals worldwide by Computerworld and others. Jeff is respected as a nuts-and-bolts strategist with hands-on experience solving complex architectural issues. Jeff is also regarded as a dynamic, charismatic speaker whose lively, fast-paced presentations capture audiences' imagination and attention. Jeff has 25+ years of experience, most recently as president of Hewitt Technologies. He's also worked for DEC, IBM and CDC.

**Jeremy Epstein, Director of Product Security, webMethods** Epstein oversees security efforts in all webMethods products, as well as webMethods security standards efforts. He is one of the authors of the proposals for the XKMS and SAML security standards. Jeremy has been in the security business for almost 15 years. In prior lives he built security products and led security research groups. He is also the program chair for the Annual Computer Security Applications Conference, a leading security research conference.

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**Jim Culbert, Vice President of Technology, MetraTech** Culbert is responsible for MetraTech's technology choices and architectural issues. He joined MetraTech as vice president of business development. Previously, he was a senior technical consultant with Internet Business Advantages (ServiceSoft). He was responsible for implementing Web-based business solutions for large companies and the technical aspects. He was a founding engineer and principal developer at NetCentric. He managed the client software development team. He has spoken at SD East/Web Services World and lectures at MIT on software engineering.

**Jim Melton, Consulting Member of Technical Staff, Oracle Corp.** Melton speaks frequently at technical conferences in North American and internationally. He has spoken by invitation in countries as diverse as Brazil, India, Australia, France and Japan, giving multi-day, highly detailed technical tutorials, as well as shorter keynote presentations. Melton edits all parts of the SQL standard and a primary developer of that standard for 17 years. He has published five SQL books, with an XML book in progress. He formed the SQLX Group, belongs to the W3C XML Query WG and co-edits a Query WG spec.

**Joe Celko, Author and Senior Consultant, Data Junction** Celko has had regular monthly or bi-weekly columns in the computer trade and academic press. Current columns are: "Celko" in *Intelligent Enterprise* magazine and "Select \* from Austin" (Array Publications, The Netherlands). He is the author of four books: *SQL for Smarties* (Morgan-Kaufmann, 1995, second edition 1999), *Instant SQL* (Wrox Press, 1995), *SQL Puzzles & Answers* (Morgan-Kaufmann, 1997) and *Data & Databases* (Morgan-Kaufmann, 1999). He is currently doing a series under his name for Morgan-Kaufmann publishers. He has also been a regular speaker and SQL instructor for Digital Consulting Inc., Norm DiNardi Enterprises, Boston University Corporate Education Center and Miller-Freeman Seminars.

**John Goodson, Vice President, R&D Operations, DataDirect Technologies** Goodson is a member of the SQL Access Group, the JDBC expert panel, the Java Rowset expert panel and has written several articles on similar topics. John has taught similar sessions at Java One, Microsoft Tech Ed, XML DevCon, XML World, IBM WebSphere 2001 and Java Edge. Strong advocate of standards based technology and promoting standards.

**John Pallatto, West Coast Bureau Chief, Internet World** Industry analyst, experienced technology editor. Frequent speaker and seminar instructor.

**JP Morgenthal, CTO, Ikimbo** Morgenthal is a world-renowned expert on EAI, B2B, XML and Java. Credited with more than 100 articles and two books, Morgenthal has been a leader at progressing the state-of-the-art in distributed computing. As CTO of XMLSolutions he led the development of initial machine-to-machine communications using XML for B2B. Morgenthal is now CTO of Ikimbo, focusing on extending B2B to include machine/human interoperability as well.

**Karsten Januszewski, Program Manager, Microsoft Corporation** Januszewski is a program manager for UDDI within Microsoft's Business Applications Division and a member of the UDDI Working Group. Background includes a number of software projects, including field service management, application service provider software and B2B supply chain management software. Karsten also has worked for the Microsoft Healthcare Users Group, catering to the needs of information systems developers and users in the healthcare industry.

**Ken North, Conference Chair, NEXTWARE Spring 2002 Conference** North is an author, consultant and company founder. He is XML and Web services editor for *Dr. Dobbs Journal*, contributes to Technetcast and teaches Expert Series seminars. He wrote *Database Magic with Ken North* and *Windows Multi-DBMS Programming*.

**Kevin Roon, Vice President, Internationalization, Interdimensions** Roon has many years' experience teaching and instructing. For three years as an undergraduate at Dartmouth College he led language "drills" for first-year students of Spanish and Russian. In his professional career, he has led software-training classes in New York, Brussels and Singapore for Pfizer Inc. for an application he developed at a previous company.

**Kurt Cagle, Author, Cagle Communications** Cagle is an author, developer, trainer and researcher specializing in XML and Web technologies. He is the author or co-author of more than a dozen books and a couple hundred articles on a wide range of topics in the computing field, and is currently the editor of the Human Markup Language Technical Committee for OASIS.

**Madhu Siddalingaiah, CTO, Aquarius Solutions** Siddalingaiah is CTO of Aquarius Solutions, a Java/XML consulting firm with offices in Washington, D.C., and Philadelphia. Madhu is a seasoned veteran of Java and XML having published several books and articles on a variety of subjects. Madhu has presented at conferences all over the world, including New York, San Jose, San Francisco, London, Munich and Sydney.

**Mark Benyovszky, Vice President, Strategic Technology Services (SBI) Inc.** Benyovszky is a recognized expert in developing and deploying complex technical architectural solutions. He has designed and implemented many complex, high-availability enterprise system architectures for several Fortune 1000 companies. He has also coached many companies through implementing disciplined software development lifecycle processes. Prior to joining SBI, Benyovszky was the CTO of W.W. Grainger's digital businesses, where he was responsible for the strategic technology direction, research and development, software engineering and infrastructure and operations of a 70+ information technology team.

**Mark Colan, eBusiness Evangelist, IBM** Colan is the lead e-business technology evangelist for IBM Corporation. He gives technical, keynote and customer presentations on Web services and XML technologies and strategy and has spoken at most XML conferences in 2000 and 2001, as well as Java One '98 and '99. <http://ibm.com/developerWorks/speakers/colan>.

**Dr. Mark Little, Distinguished Engineer / Transactions Architect, Hewlett-Packard Company** Little leads the HP-Transactioning Service and HP-Web Service Transactioning teams. He is one of the primary authors of the OMG Activity Service specification, and is on the expert group for the work in J2EE (JSR 95) and leads the JSR 156 activity on an XML API for Java Transactions. He is HP's representative on the OTS Revision Task Force, and the OASIS Business Transactions Protocol specification. Before joining HP he was, for more than 10 years, a member of the Arjuna team within the University of Newcastle upon Tyne (where he continues to have a Visiting Fellowship). His research within the Arjuna team included replication and transactions support (he is on the expert group for JSR 117), which included the construction of an OTS/JTS compliant transaction processing system.

**Mark Volkmann, Partner, Object Computing Inc.** Volkman has been creating and teaching courses in Java and XML for the past six years. His students are predominantly software developers for St. Louis area companies. A frequent speaker at the St. Louis Java User Group, Mark has published articles on XSLT in the *XML Journal*.

**Markus Egger, President, EPS Software Corp.** Egger specializes in consulting for Internet projects, object-oriented projects, B2B and Web services. He has spoken at numerous conferences in North America and Europe. He has worked as a contractor for Microsoft, and has been involved with VS.NET for quite some time. He is also the publisher of *Code Magazine*.

**Max Dolgicer, Director, ISG** Dolgicer is a contributing editor for *Application Development Trends* magazine and a frequent contributor to other trade journals. He presents extensively at a number of major industry conferences. He teaches seminars ranging from half-day tutorials to comprehensive four-day seminars.

**Michael G. Emmons, Chief Architect, Gargoyle Technologies** Emmons is president of Gargoyle Technologies ([www.gargoyletech.com](http://www.gargoyletech.com)), a Raleigh, NC-based consulting company that provides clients with architecting, development and training in .NET and VFP technologies. Michael's articles and whitepapers have appeared in numerous publications and he has lectured on cutting-edge technologies at developer conferences and special interest groups throughout the country.

**Michael Fitzgerald, CTO, EcomXML** Fitzgerald is a senior manager and architect with more than 20 years' experience in delivering large scale systems and software products for the Internet, distributed and mainframe; platforms. Fitzgerald has made a career out of leveraging new technologies for successful business implementations. Positions held include: CTO, vice president of product development, chief architect for a Fortune 1000 company, architect for an Internet software manufacturer, director of development with a staff of 100+ employees, project manager, systems architect and technology strategist.

**Dr. Michael Rys, Program Manager, SQL Servers SML Technologies, Microsoft Corp.** After finishing his Ph.D. at the Swiss Federal Institute of Technology in Zurich in the area of database systems, Rys went to Stanford University for a Postdoc, where he worked on semi-structured databases and distributed heterogeneous information integration. In late 1998, he joined Microsoft Corporation in Redmond where he is now program manager for SQL Server's XML Technologies. Michael is also a member of the W3C XML Query working group and is a member of ACM and IEEE and has presented at many XML and database conferences and workshops (such as VLDB, ICDE, XML, XML DevCon).

**Molly E. Holzschlag, Author, Instructor, Designer, Molly.Com Inc.** Holzschlag is an engaging speaker and teacher, appearing regularly at such conferences as Comdex, Internet World, WEB2001 and Web Builder. The author of more than 20 books on Web design and development, Molly also teaches Webmaster courses for the University of Arizona, University of Phoenix and Pima Community College. Honored as one of the Top 25 Women on the Web, Molly is an advisory board member to the World Organization of Webmasters, a member of the Web Standards Project, and spent a year as executive editor of WebReview.com.

**Norbert Mikula, Chief Technology Strategist, DataChannel** Mikula is a founding member of DataChannel and is integral in their strategic product planning and technology research. He has more than 10 years of experience building and delivering Internet and e-business technologies. Mikula developed one of the first XML processing systems and has been engaged in XML-related efforts since the early days of this standard. He serves as vice-chairman on the board of directors of the Organization for the Advancement of Structured Information Standards (OASIS) and is industry editor for *Web Services Journal*. Norbert is recognized internationally as an expert in Internet and e-business technologies and is regularly asked to deliver keynote speeches. He also sits as chair for numerous national and international conferences and seminars.

**Olivier LeDiouris, Principal Product Manager, Oracle** LeDiouris is a principal product manager for Oracle9i JDeveloper where he is responsible for implementing a rapid application development environment for J2EE, Web service and XML applications. Previously, he was a senior technical developer in Oracle Partner Services where he helped leading edge Oracle partners implement Oracle technology.

**Parand Tony Darugar, Co-founder and Chief Software Architect, VelociGen Inc.** Darugar has been architecting and building enterprise-class Internet applications since 1994, and was involved in some of the first commercial Web sites in existence. Holding a BS and MS in computer science. He is co-founder and chief architect of VelociGen, a Web services software company. He also writes regularly for *IBM Developer Magazine*, as well as occasionally for *Web Techniques* and *Infoworld*. He typically speaks on XML, Web services and high-performance Internet architectures. [www.parand.com/talks](http://www.parand.com/talks)

**Patrick Grady, CEO and Chairman, Talaris Corporation** Grady has spoken at numerous industry events to evangelize user-centric Web services and to educate the community on this new phenomenon. Most recently, Patrick has gone on the road with Sun for their Sun ONE world tour to inform the developer and business community on how Web services will change their worlds. Other recent engagements include Comdex, InfoWorld's Next Generation Web services Conference, Venture One, TieCON, Red Herring Venture 2001, M & T-Commerce Summit, Mobile Outlook, etc. Patrick is a former CEO and VC with 13 years of technology experience.

**Paul Cotton, Program Manager, XML Standards, Microsoft Canada** Cotton is chair of the W3C XML Query Working Group, editor of the SQL/MM specification and a member of the W3C Advisory Panel.

**Paul Lipton, Director, Object Technology, Computer Associates** Lipton has been an architect and developer of enterprise systems for more than 20 years. Lipton participates in various standards organizations such as the ODMG (Object Data Management Group) where he participates on the C++ and Java committees. He has participated in the Java Community Process, having served on the expert committee for JDO. Lipton has spoken at numerous conferences and seminars such as JavaOne, and was keynote speaker at JavaCon 2000. He has also published articles on Java, distributed objects and databases for publications such as *Doctor Dobb's Journal*.

**Dr. Richard D. Hackathorn, President, Bolder Technology Inc.** Hackathorn is president and founder of Bolder Technology Inc., an eleven-year old consultancy in Boulder, Colo. Richard has more than 30 years of experience in the IT industry and is a well-known technology innovator and international educator, conducting professional seminars in 18 countries. He founded MicroDecisionware, an early pioneer in database connectivity that was acquired by Sybase in 1994. He currently writes the BI Watch column for *DM Review*. He has written three textbooks, which are entitled *Enterprise Database Connectivity, Using the Data Warehouse* (with W.H. Inmon) and *Web Farming for the Data Warehouse*.

**Dr. Richard Soley, CEO and Chairman, Object Management Group** Soley is responsible for the overall strategic business and technical direction of OMG, the largest consortium of its kind. A visionary with more than two decades of experience in the field of information technology, Soley presides over a constantly growing standardization program encompassing both infrastructure standards like the UML and CORBA and vertical-market standards efforts in telecommunications, healthcare, manufacturing, finance, insurance, space systems, life sciences research and many other areas. Soley was instrumental in OMG's adoption of both CORBA and UML, and in the creation of the Model Driven Architecture (MDA) in 2000. Before joining OMG, Soley was involved in a series of start-up companies including Gold Hill Computers, Symbolics and PictureTel, and was the co-founder and chairman/CEO of A. I. Architects Inc., maker of the first Intel 386 product, the 386 HummingBoard.

**Dr. Rick Dobson, Author/Trainer** Dobson specializes in Microsoft database and Web technologies. He authored three books on these technologies, and he is currently completing his fourth book on the topic. His publishers for these books include Microsoft Press and Wrox Press. In addition to his books, Rick contributed articles to numerous publications and Web sites, including *SQL Server Magazine*, *Visual Basic Programmer's Journal* and *TechRepublic's TechPro Guild*.

**Rick Kuzyk, Senior Technology Evangelist, Sonic Software Corp** Kuzyk is responsible for evangelizing the use of SonicMQ as the essential backbone for the development and deployment of extended enterprise application architectures. Kuzyk has more than 16 years of experience in the software industry, which includes application development, education, sales and marketing. In his role, Kuzyk has contributed white papers, presented at industry events and has built and maintained a developer's portal dedicated to Java and e-business messaging. Through these efforts, Kuzyk helps to educate the industry on e-business messaging and related standards such as XML, SOAP and Web services.

**Robert Standefer, Architect, EDS** Standefer been a professional developer for eight years. He's worked in the client/server and Web arenas throughout his career, specifically using Microsoft tools and the IBM AS/400 server. Standefer has also written two books, one on XML and the other on .NET.

**Ronald Bourret, Freelance Programmer, rpbourret.com** Bourret is a freelance programmer, technical writer and researcher. His work includes XML-DBMS, a set of Java packages for transferring data between XML documents and relational databases, an XML schema language (DDML), several widely read papers on XML and databases and the XML Namespaces FAQ. He lectures on XML and databases at a number of conferences and contributes articles to both XML.com and xmlhack.

**Scott Simmons, Director of Technology Strategy, Peregrine Systems** Simmons is director, technology strategy -- Integrated Solutions Business Unit at Peregrine Systems. He acts as chief evangelist to partners, customers and internal company constituents (e.g. field sales) on integration approaches -- use of demonstrations and presentations to teach/instruct/interact with target audiences.

**Shelley Powers, President, Burning Bird Enterprises Inc.** Powers is an independent consultant and author, living in San Francisco. In the last several years, she's worked with a variety of Internet-related applications, based in different platforms and using a variety of tools and technologies. Shelley has authored or co-authored books and articles on XML, XSL, Mozilla/XUL, Dynamic HTML, JavaScript, Java, CGI, Perl, P2P, general Web technologies and more, including *Developing ASP Components* and *Practical RDF* for O'Reilly. [www.burningbird.net](http://www.burningbird.net)

**Tim McAllister, Senior Consultant, Object Answers** McAllister is a software consultant and architect currently working for Nike. His expertise is in building distributed applications with a focus on Java, Web services, UML and XML technologies. Tim is a frequent speaker at major industry conferences and co-author of *Professional EJB* published by Wrox press. He is director of Object Answers. [tim@objectanswers.com](mailto:tim@objectanswers.com)

**Timothy Chien, Senior Product Manager, Oracle** Chien is a senior product manager in the Oracle Server Technologies Division. Timothy has had experience in various projects, including OracleBi Disaster Recovery products and Oracle9IAS, specifically in Web and database caching technologies. He is currently a product manager with Oracle9i Application Server Web Services.

**Dr. Tushar K. Hazra, President and CEO, EpitomiOne** Hazra is a professional consultant, educator, mentor, trainer, technical leader and entrepreneur. He has 14 years' experience in developing and deploying component-based, mission-critical systems. Tushar speaks regularly in various conferences worldwide. As technical leader, Tushar is involved in various Enterprise Web Integration projects. He architects, leads, and directs enterprise portal projects for insurance, telecom, and healthcare clients. He speaks on XML, Portal and Web services conferences.

**Uche Ogbuji, CEO, Fourthought Inc.** Ogbuji is an accomplished writer, speaker and trainer on XML and knowledge-management topics. He has taught countless courses, trained many developers and written many articles. He speaks extensively at conferences including XML 2001, Web Services One, Software Development, Web Developer World, International Python Conference and XML DevCon.

**Dr. Vijay Kanabar, Professor, Boston University** Kanabar is a professor of computer science at Boston University. He has extensive business and consulting experience in several Fortune 500 companies, and is a certified project manager. Over the past 22 years he has presented many practical seminars across the U.S. and Canada and has received awards for excellence in teaching. He has authored several books including SQL, XBASE and risk management.

**Yasser Shohoud, Creator, LearnXMLWS.com** Shohoud is creator of LearnXMLWS.com, a site dedicated to Web services resources. Yasser specializes in developing and delivering XML Web services training to professional developers. A Web services expert, Yasser speaks at several industry conferences and is currently writing a book for Addison Wesley titled *Building XML Web Services*.

P

## enton has the Internet Industry Covered!

Penton Media Inc., producer of NEXTWARE, is one of the fastest growing B2B media companies in the world, reaching business professionals in print, in person and online. Penton's Technology Media Group produces the leading Internet-industry magazines, trade shows and Web sites, including: SERVICE NETWORKS, NEXTWARE, CONNECTED HOME; *Windows & .NET Magazine*, WinNetMag.com; *SQL Server Magazine*, SQLMag.com; *e-Pro Magazine*, e-promag.com, *Connected Home Magazine*, ConnectedHomeMag.com; Internet World and Streaming Media events and magazines; [www.PentonTech.com](http://www.PentonTech.com).



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# GEN INFO



## CONFERENCE PACKAGES

### BEST DEAL! All Access Spring 2002

\$1095 until April 30

*Includes: All NEXTWARE / SERVICE NETWORKS / CONNECTED HOME Conference Sessions for ALL THREE DAYS (a \$1390 savings) and all items included in "Exhibits and Events."*

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\$895 April 30

*Includes: All NEXTWARE Conference Sessions for ALL THREE DAYS and all items included in "Exhibits and Events."*

### One-day Conference

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### Tutorials

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### FULL DAY

Building .NET Web Services  
Document Analysis and Markup Design  
Essential XML

### HALF DAY MORNING

Comprehensive Technical Overview of Web Service  
Essential SQL  
UDDI Workshop: Software Development and Integration with Web Services

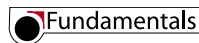
### HALF DAY AFTERNOON

Using Java with UML: Application Development  
The W3C XML Query Language  
Thin Clients, Fat Databases and Web Services

### Fundamentals

\$595 until April 30

*Includes: ONE of the full-day pre-conference "Fundamentals" tutorials (May 20), all SIX of the "Fundamentals" conference sessions and all items included in "Exhibits and Events."*



### FUNDAMENTALS TUTORIALS (choose one)

Essential XML • Essential SQL • UDDI Workshop: Software Development and Integration with Web Services

### FUNDAMENTALS CONFERENCE SESSIONS

**Tuesday, May 21**

XHTML: XML for Client-side Authors

Guaranteed Business Exchange:

Securely Exchanging Vital Business Data Over the Internet

**Wednesday, May 22**

XSL Stylesheets: An Introduction to Transforming XML Data  
Metadata as the Key to Information on Demand

**Thursday, May 23**

IT Infrastructure Roadmap

The Hows and Whys of the XML Family of Specifications

### Exhibits and Events: FREE!

FREE until April 30 (online only). On-site fee \$50.

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## HOTEL AND TRAVEL INFORMATION

For hotel, discounted airfare (with no Saturday night stay required) or car rental reservations, contact Lee Travel Group:

phone: 800-785-9011

fax: 203-319-4289

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online: [www.leetravel.com](http://www.leetravel.com)

All reservations must be made through Lee Travel Group.

Exhibitors, please call 888-779-9356 for reservations.

## REGISTRATION INFORMATION

### Conference Registration Hours

Monday, May 20	4:30pm–7:30pm
Tuesday, May 21	8:00am–5:00pm
Wednesday, May 22	8:00am–5:00pm
Thursday, May 23	8:00am–3:00pm

### Exhibit Hall Registration Hours

Monday, May 20	4:30pm-7:30pm
Tuesday, May 21	9:00am-5:00pm
Wednesday, May 22	9:00am-5:00pm
Thursday, May 23	9:00am-3:00pm

### Exhibit Hall Hours

Tuesday, May 20	11:00am-5:00pm
Wednesday, May 21	11:00am-5:00pm
Thursday, May 22	11:00am-3:00pm

### Registration Information Confirmation and Badges

If your registration is received by May 3, 2002, you will receive your badge by mail prior to the show. If your registration is received after May 3, 2002, please pick up your badge at the Pre-registered Attendee counter on site at the Baltimore Convention Center.

### Special Needs

If you have a disability that requires special assistance, please call our Registration Department at 1-800-632-5537, or e-mail [registration@iw.com](mailto:registration@iw.com)

### Government Purchase Orders

Penton Media accepts official government training orders in lieu of advance payment. A government purchase order must accompany the registration form.

### Cancellations and Substitutions

If you must cancel for any reason, notify our Registration Department by fax (203-559-2814) or e-mail ([registration@iw.com](mailto:registration@iw.com)) by May 10, 2002, for a full refund minus a \$175 processing fee. No refunds will be given after May 10, 2002. You may transfer your registration to another person at any time by providing written authorization.

Please Note: The sponsors and management of NEXTWARE reserve the right to make any necessary changes to this program. Every effort will be made to maintain presentations and speakers as represented. However, unforeseen circumstances may result in substitution of a presentation topic or speaker.

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# NEXTWARE EXPO SPRING 2002 • May 20-23 • Baltimore Convention Center

This form registers you for NEXTWARE Spring 2002 conferences. FREE registration for the Exhibits and Events Package available only online until April 30. (12:00pm EST). On-site fee \$50. This form is for single registration only. Additional persons must register individually; photocopy form as needed.

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<b>N1. Which best describes your job title/function? (check only one)</b> <b>Internet/Web Site Management</b> <input type="checkbox"/> 01 Internet VP / Director / General Manager <input type="checkbox"/> 02 Internet / Web Site Manager <input type="checkbox"/> 03 Webmaster <input type="checkbox"/> 04 Web Site Content Developer <input type="checkbox"/> 05 Web Site Designer <b>IS/IT Professionals</b> <input type="checkbox"/> 06 CTO / CIO / VP of IS <input type="checkbox"/> 10 Systems Manager <input type="checkbox"/> 07 IS/IT Director / Mgr <input type="checkbox"/> 11 Analyst <input type="checkbox"/> 08 Database Mgr / Admin <input type="checkbox"/> 12 Data Warehouse Architect <input type="checkbox"/> 09 Network / Telecomm Mgr <input type="checkbox"/> 13 Business Intelligence Mgr <b>Corporate Management</b> <input type="checkbox"/> 14 CEO / President / Partner / Director / Owner / Founder <input type="checkbox"/> 15 CFO <input type="checkbox"/> 16 COO / EVP <input type="checkbox"/> 17 Systems Integration Consultant <input type="checkbox"/> 18 Internet Business Consultant <b>Business Unit / Department Management</b> <input type="checkbox"/> 19 Marketing <input type="checkbox"/> 20 Sales <input type="checkbox"/> 21 Finance / Accounting <input type="checkbox"/> 22 Human Resources <input type="checkbox"/> 23 Product Development / R&D	<b>Software Development</b> <input type="checkbox"/> 24 Director / Manager of Software Development <input type="checkbox"/> 25 Corporate Developer / Programmer <input type="checkbox"/> 26 Commercial Developer / Programmer <input type="checkbox"/> 27 Web Services Developer <input type="checkbox"/> 28 Systems Architect / Engineer <input type="checkbox"/> 29 Other Title (please specify) _____ <b>N2. In what ways are you engaged in developing and/or managing sites, applications and services? (check all that apply)</b> <input type="checkbox"/> 01 Database integration <input type="checkbox"/> 02 Design graphics <input type="checkbox"/> 03 Develop content <input type="checkbox"/> 04 Direct my organization's Internet operations <input type="checkbox"/> 05 Manage access <input type="checkbox"/> 06 Manage data communications <input type="checkbox"/> 07 Manage hardware / software <input type="checkbox"/> 08 Manage site configuration / system <input type="checkbox"/> 09 Manage system security <input type="checkbox"/> 10 Manage network <input type="checkbox"/> 11 Manage outside Web provider / consultant <input type="checkbox"/> 12 Production / HTML conversion <input type="checkbox"/> 13 Programming <input type="checkbox"/> 14 Provide marketing / business strategy <input type="checkbox"/> 15 Other (please specify) _____	<b>N3. How are you involved in your company's purchasing process? (check all that apply)</b> <input type="checkbox"/> 01 Determine needs <input type="checkbox"/> 02 Provide technical evaluation or specifications <input type="checkbox"/> 03 Recommend purchase <input type="checkbox"/> 04 Specify / select products, brands or vendors <input type="checkbox"/> 05 Authorize / approve purchases <input type="checkbox"/> 06 Set business goals, direction, budget or standards <input type="checkbox"/> 07 No involvement <b>N4. May NEXTWARE send you e-mail?</b> <input type="checkbox"/> 01 Yes <input type="checkbox"/> 02 No <i>PLEASE NOTE: By choosing "No" you will NOT receive any show updates via e-mail, including changes to conferences, speakers, exhibitors, schedule, etc.</i> <b>N5. May Penton's Service Provider Events Group send you e-mail?</b> <input type="checkbox"/> 01 Yes <input type="checkbox"/> 02 No <b>N6. May we send you e-mail from related Penton events, magazines or resources?</b> <input type="checkbox"/> 01 Yes <input type="checkbox"/> 02 No <i>We will never rent, sell or exchange your e-mail address with a company outside of Penton Media.</i>
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## REGISTRATION PACKAGES

**Exhibits and Events (NEH)** by 4/30: FREE after 4/30: \$50

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Tuesday (NT) (5/21/02)     Wednesday (NW) (5/22/02)     Thursday (NTH) (5/23/02)

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**NEXTWARE Conference (NC)** by 4/30: \$895 after 4/30: \$995

Includes: • All NEXTWARE Conference Sessions for ALL THREE DAYS  
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**NEXTWARE Fundamentals (NF)** by 4/30: \$595 after 4/30: \$695

Includes: • One NEXTWARE "Fundamentals" Pre-conference Tutorial (May 20) • Four NEXTWARE "Fundamentals" Conference Sessions (May 21-23) • All items included in "Exhibits and Events"

**NEXTWARE Tutorials (NT)** by 4/30: \$495 after 4/30: \$595

Includes: • One Full-day or Two Half-day Pre-conference Tutorials (May 20)  
 • All items included in "Exhibits and Events"

Choose ONE Full-day OR ONE Half-day Morning and ONE Half-day Afternoon:

FULL DAY:

- Building .NET Web Services (T4)
- Document Analysis and Markup Design (T5)
- Essential XML (T6)

HALF DAY MORNING:

- Comprehensive Technical Overview of Web Services (T1)
- Essential SQL (T2)
- UDDI Workshop: Software Development and Integration with Web Services (T3)

HALF DAY AFTERNOON:

- Using Java with UML: Application Development (T7)
- The W3C XML Query Language (T8)
- Thin Clients, Fat Databases and Web Services (T9)

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Exhibits are open to business professionals only. Business card required for admission. No one under 18 admitted, including infants and toddlers.



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