



<< BUILDING INFORMATION COMMUNITIES >>

MARCH 26-28 2001

AMSTERDAM, NL

Europe's focused XML Conference and Exposition

<< XML / XSL / XSLT / XHTML :: XML with Java and Perl
XML Schema :: XML Servers :: XML and Wireless >>

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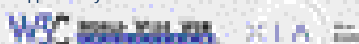
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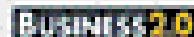
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:: WELCOME

XML World is pleased to announce its European edition. The XML World 2001 Euro Edition conference and exposition will be held March 26 - 28 at the Hilton Amsterdam. Central to the continued success of the XML World series has been the emphasis placed on the diversity of viewpoints being brought together in an open, unbiased forum. In launching a European Edition, XML World wishes to carry this strength forward and give its content an even more global orientation.

Attendees will appreciate the quality of the speakers, the technical depth of the track sessions, and the interest level amongst the people that will be brought together. XML World 2001 will be among the most energetic and interesting events in the domain of structured markup languages. Whether you are new to XML or an expert of attempting very ambitious implementations, this event will help you to find the right answers, setting a high standard against which all other XML conferences will be measured. XML World is the only event to assemble such a wide-ranging program providing an excellent overview of "XML in the world - both business and technical".

Joe Gollner, *Conference Chair*

:: WHO SHOULD ATTEND ?

Everyone interested in the future of the Web and of intelligent, interchangeable information in general, will find XML World 2001 Euro Edition of benefit. While it is difficult, even impossible, to list the titles of all of the people who will gain from time spent at XML World 2001 Euro Edition, the following are likely candidates:

<< **Programmers, Application Developers and Engineers** >>

<< **Project Managers** >>

<< **e-Business Project Leaders** >>

<< **Software Architects** >>

<< **Internet Application Developers** >>

<< **Web Development Managers** >>

<< **Systems Analysts** >>

<< **Content Publishers** >>

<< **Venture Capitalists** >>

<< **Consultants** >>



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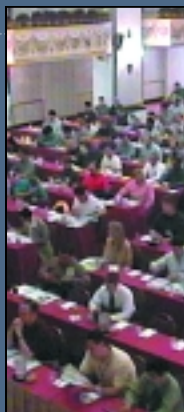
:: Conference Tracks

Technical. This track discusses XML development tools and techniques, and general technical issues that arise when processing, managing, exchanging and rendering information encoded with XML.

Business. The business track will address applications of XML and this encompasses presentations that focus on international standardization efforts such as ebXML, real-world implementation studies, and the business benefits of deploying XML.

Foundation. The foundation track will focus on up-to-date and detailed description of the key recommendations within the XML family of standards as well as those on the horizon.

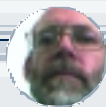
Euro-Track. This track will be structured around groups of sessions that will be delivered by European companies.





» Joseph Gollner

.. Mr. Gollner, a leading authority on how XML technology can be leveraged by modern organizations to change the way they inter-operate, supports an international clientele in the adoption of XML development of cost-effective XML solutions. He holds a Bachelor's degree from Queen's University and a Master's of Philosophy from the University of Oxford.



» Henry S. Thompson

.. He was a member of the SGML Working Group of the World Wide Web Consortium which designed XML. He is the author of the XED, the first free XML instance editor and co-author of the LT XML toolkit and is currently a member of the XSL and XML Schema Working Groups of the W3C. He currently holds a World Wide Web Consortium Fellowship, and is editor of the Structures part of the XML Schema draft W3C recommendation.



» Simon Phipps

.. Simon has unique insight into how technologies like Java, XML, TCP/IP and JINI build together to form the foundation for dot-com computing in the 21st century. He worked with OSI standards in the eighties, on the first commercial collaborative conferencing software in the nineties, and helped introduce both Java and XML at IBM. He holds a degree in electronic engineering and is a Chartered Engineer and Member of the British Computer Society.



» Edd Dumbill

.. Edd Dumbill is Managing Editor of XML.com, part of the O'Reilly Network of technology web sites. He also founded XMLhack.com, a community news site for XML developers, and Write The Web.com, a site focusing on the writable, two-way Web. As well as writing and speaking, Dumbill also develops software, and is the author of several XML-related open source programs.

The Conference will be held at :



HILTON AMSTERDAM

Apolloaan 138, Amsterdam, Netherlands

Hotel reservations

<http://www.hilton.com/hotels/AMSHITW/index.html>
for special rates, please mention the XML World conference.

Tel : +31/(0)20/7106000, Fax : +31/(0)20/7106080

Conference rate for standard room:

Single: 191 EUR / 420 NLG
Double: 204 EUR / 450 NLG

Executive room:

Single: 243 EUR / 535 NLG
Double: 257 EUR / 565 NLG

General Information

Tutorials - March 26, 2001

Conference - March 27-28, 2001

Exposition - March 27-28, 2001

Airline Information

Northwest/KLM has been appointed the official airline for XML World, Euro Edition. All attendees can take advantage of a 10 percent discount off the applicable World Business Class, Normal Economy, Special Economy, APEX or Super APEX fares. Northwest/KLM will also offer a 5 percent discount off of any promotional or short-term sale fare.

Attendees from Europe/Asia may call the local Northwest/KLM reservations office in their country of origin. North American participants should call Northwest/KLM at 1-800-328-1111 during business hours. Tickets may also be purchased from any appointed travel agent.

Transportation Information

Airport: Schiphol (15 kilometers/15 minutes) Coming from Schiphol Airport via 'the Ring' take exit Amstelveen/S108 and turn right at the traffic lights. After a turn to the right, go straight ahead at the traffic lights; turn bear left after 100m. Turn left at third traffic light.

Transportation Options from Airport to Hotel:

Bus (35 minutes)	Limo (15 minutes)
Subway/Rail (35 minutes)	Taxi (15 minutes)

For Additional Information

www.xmlworld.org

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Web: www.xmlworld.org Fax: + (514) 288-7596

WANT TO EXHIBIT YOUR PRODUCT AT XML WORLD?

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Foundation :: 8:30 a.m. - 12:00 p.m.



Introduction to XML

**Joseph Gollner, President,
XIA Information Architects Corporation**

This tutorial provides an overview of XML, its history, purpose and companion specifications. Attendees will understand the basics of the XML Recommendation, including what is meant by well-formed, valid and standalone documents, document type definitions, elements, attributes and entities. Finally, attendees will gain an appreciation of what distinguishes XML from its parent standard, SGML, and what has made XML so attractive within the Internet and business communities.

Business :: 8:30 a.m. - 12:00 p.m.



Guidelines on how to XML-Enable Legacy Systems for Real Time Business-to-Business Integration

Edward Budgen, Director B2Bi for the EMEA region, SilverStream

More than half the world's data resides on mainframes with applications that run corporate mission-critical applications. These applications cannot be re-written and writing proprietary application links is costly and time-consuming. XML will play an integral part in exposing these legacy systems to other corporate systems real-time. Enterprises can no longer rely on the orderly world assumptions of EDI to integrate their business systems. Instead, and at the center of the business-to-business revolution, XML provides the core infrastructure for businesses to integrate home grown and legacy applications by rapidly re-purposing systems and processes to expose coherent electronic interfaces to customers, suppliers and other key trading partners.

Technical :: 8:30 a.m. - 12:00 p.m.



Web Services Boot Camp

Doug Tidwell, Senior Programmer, IBM Corporation

Web Services are the Web's next [r]evolution. Built on Web standards such as XML, SOAP, and HTTP, Web Services allow you to package content and functionality as a self-describing, dynamically-discoverable service, enabling whole new types of applications to be created, formed, and re-formed on the fly. In this session, you will learn all the details behind this exciting new technology, and be ready to implement and use Web Services in your business. The objectives of this tutorial are that you will: 1) understand the architecture of Web Services, including the Web Services Description Language (WSDL) and Universal Description, Discovery and Integration (UDDI), 2) Learn how to convert existing applications into Web Services, and 3) be ready to change the world.

Euro Track :: 8:30 a.m. - 12:00 p.m.



Emerging XML Standards for e-Business - UDDI, ebXML and the W3C

John Ibbotson, XML Technology and Messaging, IBM UK

For effective interoperation between companies, there needs to be a framework of open standards generated and adopted by solution developers and industrial consortia. This tutorial takes a detailed look at the major emerging standards for e-business. Universal Description, Discovery and Integration (UDDI) architects a registry for discovering and connecting to web-based services. The ebXML initiative jointly supported by the United Nations and OASIS is producing a set of specifications that together enable a modular electronic business framework. The XML Protocol Working Group was formed as a response to the submission of the SOAP 1.1 specification to the W3C. This tutorial will provide you with a technical and business understanding of these emerging XML standards and architectures.

AFTERNOON SESSIONS

Foundation :: 1:30 p.m. - 5:00 p.m.



XSL by Example: An Introduction to XML Transformations

Mark Colan, IBM Corporation

This session is a "nuts-and-bolts" introduction to writing stylesheet and transformation scripts used with XSL. The XSLT language is introduced by looking at several transformations and studying how they work (or why they did not work). You will 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.

Business :: 1:30 p.m. - 5:00 p.m.



Designing Custom Template Processing Languages Using XML

Vanessa Klein, International Technical Consultant, OmniMark

Templates give you a quick and easy way to get started. But as application complexity increases, templates are hard to maintain and your code base can end up scattered all over your Web site. Using programming languages gives you maximum processing power and can help keep things organized, but it is inflexible and requires a programmer's intervention to change even simple design elements. The solution is to build custom template processing capabilities into your interactive Web applications. In this tutorial you will learn how to design and build a custom template processing language using XML and XML data sources and how developing such a language can be use to split Web development responsibilities in a way that makes sense for their organizations, letting programmers program and designers design.

Technical :: 1:30 p.m. - 5:00 p.m.



XML Processing and Application Integration Using Perl

Tomas Hansson, Senior Information Architect, XIA Corporation

This tutorial provides an overview of Perl and its place in the world of XML. Perl will be evaluated against other processing languages, such as Omnimark and XSLT, and its strengths for text processing and XML manipulation will be explored. Attendees will be given a brief overview of the Perl syntax before specific development case studies are presented that highlight its usefulness in XML applications. Code samples in alternate languages will be demonstrated and compared. In a final example, a subset of Perl will be used inside SoftQuad's XMetaL XML editor to enhance the standard user interface and provide macros for convenient XML data manipulations. Prior knowledge of XML and Perl is strongly recommended, although not essential.

Euro Track :: 1:30 p.m. - 5:00 p.m.



Weaving the Web with XML:

**An Overview of the XML Family of W3C Recommendations
Henry Thompson, University of Edinburgh**

The XML family has grown dramatically over the few years since the introduction of XML itself in 1997. This tutorial will describe how the existing (XML 1.0, XML Namespaces, (XML) DOM, XSLT, XPath, XHTML), nearing completion (XLink/XPointer, XML Schema, XML Infoset, XML Signature and Canonicalization, XSL Formatting Objects), and only just started (XML Query, XML Protocols) members of the XML family fit together, what their basic concerns are, and where the whole XML story is headed. We will also cover how the W3C manages the development of XML-related work, and how your company can get involved in this. This tutorial is intended for those with at least some familiarity with XML, who are looking for an overview of what technology and application areas are addressed by existing and planned XML recommendations.



XML World Euro Edition Conference Overview

Tutorials - Monday, March 26

	TECHNICAL	FOUNDATION	BUSINESS	EURO
8:30 a.m.	Introduction to XML Joe Gollner	Guidelines on how to XML-Enable Legacy Systems ... Edward Budgen	Web Services Boot Camp Doug Tidwell	Emerging XML Standards for eBusiness ... John Ibbotson
Lunch				
1:30 p.m.	XSL by Example: An Introduction to XML ... Mark Colan	Designing Custom Template Processing ... Vanessa Klein	XML Processing and Application Integration ... Tomas Hansson	XML Standards Overview Henry Thompson

Conference Day 1 - Tuesday, March 27

8:30 a.m.	KEYNOTE SESSION	:: XML AND DEMOCRACYJoe Gollner (Xia Corporation)						
		:: XML WEB SERVICESEdd Dumbill (XML.com)						
		:: XML - KNITTING THE WEB TOGETHERHenry Thompson (W3C)						
		:: STANDARDS, SWARMS AND SYNERGYSimon Phipps (Sun Microsystems)						
12:00 p.m. Lunch								
Tracks	TECHNICAL		FOUNDATION		BUSINESS		EURO	
2:00 p.m.	A third way: The Hierarchical / Streaming XML Parsing Model Vanessa Klein		XML is User Friendly Michel Vulpe		Mobile Commerce Lynne Thompson Nick Smilonich		Using XML For Archiving Software-Lifecycle ... Holger Doernemann	
3:15 p.m.	Leveraging VoiceXML David E. Reich		XML/ICE Standard - a Driving Force for ... Scott Cahill		B2XML: Using XML to Cover the Last Mile Keith Ellis		Search Methods with XML Document Collections Jeroen van Rotterdam	
4:00 p.m.						VISIT THE EXPOSITION / COCKTAIL		

Conference Day 2 - Wednesday, March 28

Tracks	TECHNICAL	FOUNDATION	BUSINESS	EURO
8:30 a.m.	XML Web Services: Description, Discovery and ... James Tauber	XML + XSD = XML 2.0 Lee Buck	Increasing Portal Velocity with XML Chris Childers	XML Architectures for Electronic Business-to ... Peter Stamps
9:30 a.m.	Persistence of Recursive XML Objects via Microsoft SQL David Liu	Practical XML and XSLT Solutions for an e-Business Erik Cordsen	The Death of Middleware in Financial Services ... Mike Cardiff	XML Messaging and Process Automation ... Bart Oostlander
10:45 a.m.	Developing XML - Enabled Java Applications ... Frank Thelen	Standardizing Software Documentation Using XML John Cooke	Using XML Content Integration Technologies to ... Nathan Birtle	Extending the Reach of Applications with ... Andrew Gray
12:00 p.m.	Lunch			
2:00 p.m.	XML Security: Security Designed for the Web Ed Simon	Defining Design Guidelines for XML Messages Used in ... Hans Arent	Making the Promises of XML Real for the Real World John Goodson	XEON: An Enterprise Middleware for The Internet Luca Bompani
3:15 p.m.	Securing XML-Based Web Transactions Eric Olden	Portal Integration Strategies Bryan Carpolette	Xpharm: Utilizing XML to Pioneer Novel Communication Anita de Waard	System of Managing Documents in a Step-by ... Andrea Marchetti
4:30 p.m.	Closing Session - Standards and Community Building: IBM's Approach to e-Business Mark Colan, IBM			

KEYNOTE SESSION



>> Joseph Gollner, XIA Corporation

Mr. Gollner, a leading authority on how XML technology can be leveraged by modern organizations to change the way they inter-operate, supports an international clientele in the adoption of XML and the development of cost-effective XML solutions. He holds a Bachelor's degree from Queen's University and a Master's of Philosophy from the University of Oxford.

:: XML and Democracy

Everything can be seen from different perspectives. XML is no different in this regard. From the perspective of those designing and developing the semantic web, XML performs a useful, even essential, role within a larger technology palate. From the perspective of information users, XML provides the ability for anyone, truly without limitation, to locate, retrieve, view and use information drawn from all manner of possible sources, and, going further, to participate actively in the larger processes at work to produce that information. Seen in a yet different way, XML provides a simple way to implement complex behaviour and in so doing makes it possible for the very smallest participant to compete with the largest. With reference to lessons learned from recent attempts to apply XML to the field of democratic governance, this talk will look at the role of XML in keeping the semantic web a place where anyone can participate.



>> Edd Dumbill, Managing Editor, XML.com

Edd Dumbill is Managing Editor of XML.com, part of the O'Reilly Network of technology web sites. He also founded XMLhack.com, a community news site for XML developers, and Write TheWeb.com, a site focusing on the writable, two-way Web. As well as writing and speaking, Dumbill also develops software, and is the author of several XML-related open source programs.

:: XML Web Services

As standards for XML communication mature, a new business architecture is emerging. The need for prior knowledge of business partners is disappearing—soon the technology will be in place to allow negotiation and transaction between organizations on an ad-hoc basis. This talk introduces this radical shift in the way electronic business is done, looks at the components of this web services architecture, including SOAP, UDDI, WSDL and ebXML, and examines the standards bodies and vendors responsible for building it. It will also outline the future of the web services model, and its relationship to the Semantic Web vision of the W3C.



>> Henry S. Thompson, W3C

a leading authority on how XML technology can be leveraged by modern organizations to change the way they inter-operate, supports an international clientele in the adoption of XML and the development of cost-effective XML solutions. He holds a Bachelor's degree from Queen's University and a Master's of Philosophy from the University of Oxford.

:: XML - Knitting the Web Together

There is a revolution underway in the use of the World Wide Web by business, based on the use of XML as a richer and more powerful alternative to HTML. This talk will give a quick overview of the state of the XML family of standards, and then outline a vision for the WWW of the future, in which XML has become invisible to web-based applications. Client-side and server-side components of distributed systems will interact in terms of their own internal application-appropriate data, with the translation into and out of XML for communication being entirely managed by appeal to annotated XML Schemas, with no need for scripting.



>> Simon Phipps, Sun Microsystems

Simon has unique insight into how technologies like Java, XML, TCP/IP and JINI build together to form the foundation for dot-com computing in the 21st century. He worked with OSI standards in the eighties, on the first commercial collaborative conferencing software in the nineties, and helped introduce both Java and XML at IBM. He holds a degree in electronic engineering and is a Chartered Engineer and Member of the British Computer Society.

:: Standards, Swarms and Synergy

The foundations of the Internet,
The role of open source and standards,
The future direction for the way computers and the Internet are used,
The way wireless technology will evolve,
The mechanisms that individuals and corporations will need to employ to join and make the most of this future direction.
Expect energy, humour, insight and perhaps a little controversy.

TECHNICAL TRACKS

Session T1 :: 2:00 p.m. - 2:45 p.m.



A Third Way: The Hierarchical / Streaming XML Parsing Model

Vanessa Klein, International Technical Consultant, OmniMark Technologies

XML programmers are familiar with the tree-based parsing of the DOM and the event-based parsing of SAX. The OmniMark programming language uses a third model: hierarchy-based parsing. Where a SAX parser will treat the beginning of an element as one event and the end of the element as a separate event, OmniMark treats the occurrence of an element as a single event that fires a single rule. Since elements can contain nested elements, this leads to the creation of a hierarchy of fired rules. Thus the hierarchy of the document is modeled by the call stack of the program. Hierarchical parsing is based on a streaming programming model in which data is streamed from a source to a destination and processed as it flows. During parsing, data content is streamed directly to output, while output generated by user code is interpolated into the output stream. Context management is provided automatically by the hierarchy of program rule execution.

Session T2 :: 3:15 p.m. - 4:00 p.m.



Leveraging VoiceXML

David E. Reich, Senior Software Engineer, IBM Voice Systems

This session introduces VoiceXML to the developer. VoiceXML is the new standard, endorsed by the W3C, for Voice markup on the Internet. Learn how to speech-enable your Web sites using VoiceXML, IBM's Voice Browser, a Web server and a plain old telephone. This combination of technology, architecture and tools provides a platform through which users can talk to your data and Web sites through any telephone, and provides the platform upon which to expand as the power and capability of wireless devices such as PDAs and smartphones evolve with little to no change of your applications.

By using your Web-based infrastructure, you can speech-enable your e-business today with no change to your existing business logic or infrastructure and be ready for the newer devices before they arrive.



To register,
or for more information
or speakers' biographies
www.xmlworld.org



FOUNDATION TRACKS

Session F1 :: 2:00 p.m. - 2:45 p.m.



XML is User-Friendly

Michel Vulpe, CTO and Founder, i4i

XML is often described as ugly and far too complex to present to the regular user. In B2B activities where the parties are all computers, this is of little concern. Computers after all are used to working with complex and unappealing codes, in fact that is their normal way of working.

Computers however have to interact with people and in that mode they have to be "user friendly". That is a difficult trick and reams of materials continuously published on this matter attest to the difficulty of the task. XML has added a new dimension to the problem by introducing a new layer of complexity to the user interface. This presentation will review strategies for attacking the problem and consider the advantages and disadvantages of each.

BUSINESS TRACKS

Session B1 :: 2:00 p.m. - 2:45 p.m.



Mobile Commerce

**Lynne Thompson, Senior Software Engineer,
Nick Smilonich, Director of Advanced Technology,
Unisys Corporation**

With the number of mobile phones skyrocketing across Europe, mobile e-commerce transactions or m-commerce is hot! Forecasts from several industry analysts are impressive. This session will provide an overview of m-commerce, technical infrastructure, challenges, the players in this space, and common m-commerce applications today, tomorrow, and beyond.

The Wireless Application Protocol (WAP) Wireless Markup Language (WML) is a markup language based on XML, and is intended for use in specifying content and user interface for cellular phones, pagers, and many mobile/wireless devices. Can HTML be used instead of WML? How do you transform HTML/XML into WML? How does XSL relate to WML?

EURO TRACKS

Session E1 :: 2:00 p.m. - 2:45 p.m.



Using XML for Archiving Software-Lifecycle Artifacts in Revision Control Systems

Holger Doernemann, Technical Leader, Rational GmbH

Many software development processes like the Rational Unified Process define so-called artifacts as deliverables for the software lifecycle. Such artifacts normally include specifications, models, test assets, source-code etc. When using software development tools for managing these artifacts - such as requirements management systems for instance - version control of those artifacts often becomes an essential challenge and a critical problem. While normal documents and source code can easily be managed using a revision control system, most modern tools make use of repositories and databases where data is deeply encapsulated. Quite often this means that a software project has different locations of artifacts each one having to be versioned separately, a nice source for inconsistency for the entire project. The session will give an introduction of how tool vendors try to overcome this hurdle and manage software lifecycle artifacts consistently with a single standard revision control system using XML outputs.

Session F2 :: 3:15 p.m. - 4:00 p.m.



XML/ICE Standard - A Driving Force for Internet and M-Commerce in Europe

**Scott Cahill, General Manager of International
Operations, Kinecta Corporation**

The skyrocketing growth of the Internet and m-commerce (mobile commerce) in Europe and the increasing amount of online and wireless information has made the types of devices that people use to access and distribute information extremely diverse and heterogeneous. As a result, many companies are in the process of making an important first step in switching to systems that output content to XML, so that content can be easily used in various media forms. This presentation will explain how the Information & Content Exchange (ICE) protocol is impacting online syndication and enabling new business models for companies in virtually any industry. It will also provide examples of how successful companies are using applications based on ICE to syndicate content today.

Session B2 :: 3:15 p.m. - 4:00 p.m.



B2XML: Using XML to Cover the Last Mile in B2B Integration

Keith Ellis, VP of Strategic Alliances, thinkXML

To this point EAI and B2Bi have been focused almost exclusively on integrating existing databases across the enterprise and between enterprises. But what about the last mile that separates human beings from these enterprise applications? What about integrating people into the new business models? How can businesses make it easier for their customers, partners, and suppliers to interact with each other and with back office applications? XML takes Web-enablement to the next level, allowing businesses to create the next generation of interactive applications that support all Internet-connected devices, including PCs, cell phones, and PDAs. This talk will focus on the advantage of using XML to bridge the last mile between business systems and the people they are meant to serve.

Session E2 :: 3:15 p.m. - 4:00 p.m.



Search Methods Within XML Document Collections

Jeroen van Rotterdam, CTO, X-Hive Corporation

As the use of XML grows a standardized means of querying XML documents is required. Currently there are several ways to perform searches on collections of XML documents. All methods have their advantages and disadvantages.

This session will give an overview of the various methods and give advice on when to use which method. Keywords for this session: XPath, Extended DOM Traversal, and Context-sensitive Indexing.

TUESDAY MARCH 27
5:00 - 7:00 p.m.

Meet and Greet,
Talk to the other
XML World attendees !

Find out some more on
the subjects that you are
interested in.

Cocktail

in the Exposition

Wine & Cheese

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TECHNICAL TRACKS

Session T3 :: 8:30 a.m. - 9:15 a.m.



XML Web Services: Description, Discovery and Execution

James Tauber, Director of XML Technology, Bowstreet

Increasingly companies are making distributed functionality available, not as traditional APIs but as Web services—XML requests and responses over Internet transport protocols like HTTP. Specifications such as SOAP and UDDI are emerging to provide a means for the description, discovery and execution of these Web services. This talk will present the latest activities in this area and will discuss key specifications like SOAP and UDDI as well as related specifications such as DSML and RDF.

FOUNDATION TRACKS

Session F3 :: 8:30 a.m. - 9:15 a.m.



XML + XSD = XML 2.0

Lee Buck, Chief Scientist and VP of XML technologies, TIBCO Software Inc.

XML Schema (XSD) is becoming recognized as a powerful constraint language for validating both data and document-oriented XML. However, XSD's greatest impact is the richness it adds to XML for e-business data exchange. By introducing the concepts of type, inheritance, identity, and references to the world of XML -- XSD begins to define the next generation of XML ... XML 2.0. The richness of the information models which may be expressed in XML permits it to be used in whole new ways. In this talk we examine these exciting features and their impact on the utilization of XML.

BUSINESS TRACKS

Session B3 :: 8:30 a.m. - 9:15 a.m.



Accelerating E-Business Portals with XML

Chris Childers, Director, Product Evangelism, Sequoia Software Corporation

Organizations that are implementing e-business portals are often struggle with the issues surrounding content integration, aggregation and delivery. Disparate systems, data models and information services all contribute to this problem. In these areas, XML technologies and standards are emerging to reduce these information barriers. This session will focus on technologies and processes that can be used to accelerate information aggregation, flow and delivery within an e-business portal environment. Why is using XML as standard content model beneficial? How can messaging be used to integrate systems and processes? How can XML based content be leveraged in content delivery and portal information services? We will explore these questions and provide answers that will allow businesses to advance e-relationships with customers, partners and suppliers.

Session T4 :: 9:30 a.m. - 10:15 a.m.



Persistence of Recursive XML Objects via Microsoft SQL Server

David Liu, California State University, Northridge

The structure of decision trees is inherently hierarchical and recursive; hence, XML is an excellent representation format. This case study outlines the design issues related to the mapping of decision tree definitions into XML schemas, client-side technology options (ActiveX, Plug-in, Java Applets and XSLT), n-tier architectural alternatives, and lastly, methods for engendering persistence. This paper demonstrates how persistence can be accomplished by utilizing the native-support of XML in Microsoft SQL Server 2000. In closing, this paper examines how two application service providers (ASPs) are using this implementation to build innovative B2B Web exchanges and provides one developer's perspective on the recently launched Microsoft ".NET" initiative.

Session F4 :: 9:30 a.m. - 10:15 a.m.



Practical XML and XSLT Solutions for an Electronic Business

Erik Cordsen, Developer for Partner Integration, EZPrints

We will discuss how XML and XSLT can be used as solutions for World Wide Widgets (WWW). These widgets receive all orders from business partners in XML and send out XML status updates. Widgets also use XSLT to generate unique HTML reports for accounting, management, customer service, and production, all from the same source XML document. Finally, these Widgets provide partners with an XSLT script which can be used to calculate shipping costs on the fly before an order is placed.

Session B4:: 9:30 a.m. - 10:15 a.m.



"The Death of Middleware in Financial Services - Long Live XML"

Mike Cardiff, President and CEO, Prologix Corporation

Why is Microsoft investing \$16 million per day in making XML the basis of its new .NET strategy? This paper explains how XML has replaced other middleware technologies to become the new standard for integrating legacy systems and aggregating data.

In today's Internet-focused financial services environment, all new service delivery technologies, including wireless and interactive digital TV, will use XML to communicate.

Session T5:: 10:45 a.m. - 11:30 a.m.



Developing XML-Enabled Java Applications - How to Manage and Persist XML Objects in Java

Frank Thelen, Product Group Executive, POET Software

XML is everywhere. But what is the right method to process it? The speaker Frank Thelen is responsible for the product development at POET Software, a leading provider of XML solutions in the emerging B2B eCommerce market.

Mr. Thelen will provide an overview of different schema approaches and API's. Central to his talk will be a discussion of the pros and cons of APIs such as DOM and SAX vs. Java Data Binding.

Session F5 :: 10:45 a.m. - 11:30 a.m.



Standardizing Software Documentation Using XML

John Cooke, Professor of Computer Science, University of Saskatchewan

Firms that develop software must document both the software product and the process by which it was developed. Information from past projects is invaluable for improving the software production process. Information such as time-lines, critical paths, estimations and process metrics is often kept, but seldom kept in a standardized manner that permits retrieval and reuse. XML provides a means of implementing a standard set of documents in a manner that permits retrieval across many different projects. A basic set of documents will be defined, and case study on implementing this document set in XML for a small software firm will be described.

Session B5:: 10:45 a.m. - 11:30 a.m.



Using XML Content Integration Technologies to Maximise e-Business Potential.

Nathan Birtle, Regional Vice President for Northern Europe, Arbortext

This presentation will explore the most recent XML technologies that companies are using to integrate existing data and toolsets with e-business applications. What XML-based technologies are available to companies wishing to undertake this type of content integration? How can these be implemented so as to cause minimal disruption to the existing systems? And how can effective content integration give companies a competitive advantage in their e-business strategies.



EURO TRACKS

Session E3 :: 8:30 a.m. - 9:15 a.m.



XML Architectures for Electronic Business-to-Business Solutions Peter Stamps, Engineer, Software AG

XML is revolutionising the IT world. In early October 1999 the Altavista search engine counted 453,970 hits for the word XML. In early November 2000, the results list shows 2,295,992 hits. This is 5 times more than a year ago. This demonstrates how great the interest in XML is.

But how do you actually start using XML and what aspects do you have to take into account? For example, which technologies, architectures, and products are there and what is the pain and power of XML?

Session E4 :: 9:30 a.m. - 10:15 a.m.



XML Messaging and Process Automation: The Next Development Paradigm Bart Oostlander, Compuware Corporation

In a fast changing world companies have an increasing requirement for more flexible, sophisticated applications that can be created in shorter timeframes than traditional coding methodologies have allowed. To maintain a competitive advantage companies must also be able to make modifications to existing applications quickly. Process automation technologies are providing new ways to build and deploy applications in a component-oriented environment. With the advent of XML, business message exchange based on common Internet protocols is now a commodity. Combined, these technologies enable the business requirements to drive application development and application change at Internet speed. This presentation will focus on the architecture that underpins this new paradigm.

Session E5:: 10:45 a.m. - 11:30 a.m.

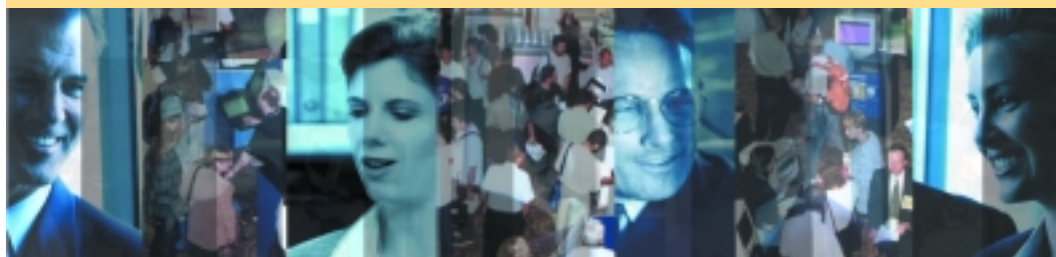


Extending the Reach of Applications with Web Services Andrew Gray, Software Engineering Manager, Rogue Wave Software

The ubiquity of the Internet and the explosive growth of Internet-capable devices are increasing expectations that enterprise applications interoperate easily.

This presentation explores how we can leverage standard technologies, including XML and HTTP, to create Web services that extend the reach of applications within an enterprise, between organizations, and to wireless devices around the world.

EXPOSITION

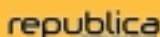


Tuesday, March 27 10:00 a.m. - 6:00 p.m.
(Cocktail)

Wednesday, March 28 10:00 a.m. - 6:00 p.m.

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TECHNICAL TRACKS

Session T6 :: 2:00 p.m. - 2:45 p.m.



XML Security: Security Designed for the Web

Ed Simon, Software Engineer, Entrust Technologies

Not only will XML make the Web more intelligent and useful, it will also present a new paradigm of what Web security is and what it can do. XML's descriptive and hierarchical structure enables an XML resource to act as its own self-contained mini-database. XML-aware cryptography makes it easy to tailor signing and encryption for specific document parts rather than always treating a document as one indivisible blob that must be treated uniformly from a security point of view. With respect to XML Encryption, a single document could have specific sections restricted to those holding a particular security clearance; for many organizations, this could be a much more manageable approach than maintaining multiple variants of the same document. As well, XML-based security specifications, such as the XML Signatures and XML Encryption one being developed jointly by the W3C and IETF, are themselves encoded in XML and, the security benefits they embody can be more easily and seamlessly incorporated into Web-based, XML-aware systems. This paper will explore the new vistas unveiled by XML Security.

FOUNDATION TRACKS

Session F6 :: 2:00 p.m. - 2:45 p.m.



Defining Design Guidelines for XML Messages Used in Enterprise Application Integration

Hans C. Arents, Senior consultant, I.T. Works

XML is well-suited for message-based application integration. However, defining those XML messages and making sure that every developer uses the same definitions is a major challenge. In this talk we discuss how a company can go about defining design guidelines for its XML messages.

This session also discusses how these guidelines can be enforced and managed using the appropriate XML schema management tools. As an illustration we will review an example set of design guidelines.

BUSINESS TRACKS

Session B6 :: 2:00 p.m. - 2:45 p.m.



Making the Promises of XML Real for the Real World!

John Goodson, VP and Research and Development, MERANT

When XML was introduced, it promised to be the next "silver bullet". It would solve the world's data integration problems. Now, reality is setting in. XML is still full of tremendous promise, but it still has a long way to go.

Come to this session to hear what Microsoft, IBM, and Sun will not tell you about XML. How can we address real interoperability? How can we ensure real high-speed business performance? How can we build enterprise-class systems with enterprise-grade capabilities (including security, reliability, transactions, etc.)? In this state-of-the-industry discussion, we will look at ways XML technology is advancing so that you can address these issues going forward.

Session T7 :: 3:15 p.m. - 4:00 p.m.



Securing XML-Based Web Transactions

Eric Olden, CTO, Securant Technologies

The emergence of XML as a core technology for conducting eBusiness is creating the need to integrate Web security with this evolving lingua franca of Internet commerce. This session will focus on how enterprises can integrate XML-based applications with their Web security infrastructure to provide users seamless, secure and automated transactions that can span multiple intermediaries and connected Web sites. This talk will cover the security issues associated with using XML-based eCommerce applications, techniques for controlling user access to high value XML transactions and for enforcing non-repudiation, a blueprint for a security system that integrates with XML, and mechanisms for automated security administration and threat detection.

Session F7 :: 3:15 p.m. - 4:00 p.m.



Portal Integration Strategies

**Bryan Caporlette, Executive VP
of Strategic Technology, Sequoia Software**

XML has quickly become the universal language for data exchange and application communication. Emerging standards such as BizTalk and the Simple Object Access Protocol (SOAP) are enabling the efficient transmission of information and application interaction both within and across enterprises. Portal software that leverages XML will provide the most flexible environment for implementing and deploying e-business portals. This presentation will focus on the architecture necessary to enable application integration across the various layers. At the storage layer, we will focus on mechanisms for extracting, packaging and transmitting data between applications and the portal server. Within the business logic layer, XML will be used to automate business processes that manage the relationships between internal and external applications. Finally, we will discuss tying in Web-enabled applications and content providers at the presentation layer.

Session B7 :: 3:15 p.m. - 4:00 p.m.



XPharm: Utilizing XML to Pioneer Novel Communication Methods in Science Publishing

Anita de Waard, Project Lead, Elsevier Science

XPharm is meant to be an entirely novel method of enabling modular communications between scientists. The data model and technology are optimized to enhance serendipity among the user community of pharmacological scientists.

The discussion will cover the full trajectory of product development, ranging from the philosophy behind the product to the nuts-and-bolts implementation issues.





EURO TRACKS

Session E6 :: 2:00 p.m. - 2:45 p.m.



XEON: an Enterprise Middleware for the Internet
Luca Bompani, Ph.D. Student, University of Bologna
Paolo Ciancarini, Professor of Computer Science, University of Bologna
Fabio Vitali, Assistant Professor of Computer Professor, University of Bologna

The eXtensible Enterprise Object Network (XEON) is a middleware based on XML that provides a uniform access to all the resources and the services on the Internet. Instead of defining a completely new set of APIs, XEON extends the interfaces of the XML Document Object Model.

Thanks to its standard XML interface, it allows users to use standard XML tools to browse all the resources of the Net. For example it permits the application of an XSLT stylesheet directly to a JDBC database and extracts the contents of a table.

Session E7 :: 3:15 p.m. - 4:00 p.m.



A System for Managing Documents in a Step-by-Step Process
Andrea Marchetti, Reseracher, IAT - CNR
Salvatore Minutoli, Researcher, IAT-CNR
Pasquale Lazzareschi, Technician, IAT-CNR
Massimo Martinelli, Technician, IEI-CNR

XML can be used as an instrument to structure documents in a standard way that is both human and machine-understandable. This fact creates the opportunity to manage documents in a simple way that is independent from the underlying platform. This paper presents work on the development of a system for managing documents throughout a generic step by step process, wherein easy interaction is enabled between users operating at different levels (WWW, e-mail and so on). This paper will also present a working prototype implemented at the Institute for Telematic Applications (CNR) of Pisa and used for managing the task request of workers.

Partial list of past attendees:

American International Group (AIG)	Liberty Mutual Insurance Group
Andersen Consulting	Lockheed Martin
Boeing	MIT
Brigham & Women's Hospital	Morgan Stanley Dean Witter
Caterpillar Inc.	National Library of Canada
Central Customs and Tax Administration	Nordstrom
Center for Health Research	Pfizer, Inc.
Deloitte and Touche	Quebecor
Duke Energy	Ralston Purina
Fidelity Investments	Rolls Royce
Florida Legislature	Raytheon
General Electric	Siemens AG
Houghton Mifflin Company	Statistics Canada
Jokake Construction Co.	Thai Airways International Co. Ltd.
International Air Transport Association	TRW Inc.
Korea Telecom	United Mineral Corporation
	Verizon Communications
	... and many more

CLOSING SESSION

CLOSING SESSION



WEDNESDAY MARCH 28, 4:30 P.M.

Standards and Community Building:
IBM's Approach to e-Business

Mark Colan, IBM Corporation

Developing an e-Business future depends on cooperation for creating standards for strong, open architectures. This talk discusses IBM's strategy for developing e-business through standards and community building: cooperate on standards, compete on implementation. We will look at some of the hottest new technologies that have arisen recently for e-business development, including Web Services and electronic Trading Partner Agreements for "just-in-time" integration.



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