
Efficient XML

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Abstract

This 90-minute session will be a panel discussion on the challenges faced by those who need to process XML more efficiently than the current state of the art allows. Advocates of different alternatives, including hardware acceleration, binary XML, and code optimization have been invited to present their views and debate one another.

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Biography

Michael **Champion**

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Mike Champion has worked as a software developer since 1980, and have specialized in SGML/XML since 1996, working at Arbortext and Software AG. He is currently Program Manager for XML Standards at Microsoft. His blog is at blogs.msdn.com/mikechampion.

Rich **Rollman**

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Rich Rollman is a founder and Vice President of Engineering and Product Development at AgileDelta, Inc., an independent software vendor that supplies XML and Web Services infrastructure software for use on mobile computing platforms. Prior to joining AgileDelta, Mr. Rollman was founder and CEO of DataConcert, a startup that built E-Business solutions using XML and Web Services to link enterprises with their small and mid-size trading partners. At DataConcert, he was responsible for the design, development, marketing, and sales of DataConcert's E-Business solutions. Mr. Rollman has been working on XML technologies since their inception. He was the Group Program Manager for Microsoft's core XML technologies (MS XML) and SQL Server's XML functionality (SQLXML). He later led product management at Crossgain Corporation where he built XML-centric programming models for web services. Mr. Rollman has 20 years experience building Internet and client-server software on a variety of computing platforms. He holds a Bachelor's degree in Computer Science and a Master's degree in Electrical Engineering.

Michael **Leventhal**

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Michael Leventhal is Senior Director, XML Products for Tarari where he has guided the creation of world's first XML-in-silicon accelerators supporting RAX (random access XML) processing methodology. Mr. Leventhal has been involved with XML from its inception, having authored some of the earliest publications on XML including the first book published on its use for the Internet and was also involved in Web Services from its earliest days, having led the team at Commerce One that created DocSOAP, an open-source, high-performance document-centric SOAP framework. He also worked on DocZilla, an XML-centric mozilla-based browser. Mr. Leventhal is active on Tarari's behalf in the W3C. He holds an EECS degree from U.C. Berkeley.

Santiago **Pericas-Geertsen**

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Dr. Santiago Pericas-Geertsen is a Staff Engineer in the Web Technologies and Standards division of Sun Microsystems. He is a PMC member at the Apache Software Foundation representing Xalan/XSLTC project (and a co-developer of the original XSLTC). He is also one of the developers contributing to the JAX-FAST project at Sun Microsystems. Santiago has presented at numerous academic and industry-oriented conferences including XML 200X, JavaOne, UniForum, POPL (Principles of Programming languages), ESOP (European Symposium on Programming), LICS (Logic in Computer Science). He has also taught both graduate and undergraduate courses in Computer Science during his doctorate at Boston University.

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Eric Sedlar is the Architect for XML technology in the Oracle database, and started the XML DB project in 2000. Previously at Oracle he founded the Internet Filesystem (iFS). Eric has served time representing Oracle on such standards efforts as WebDAV and XML Schema.

Eric Perkins

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Dr. Perkins is a Software Engineer working for IBM's T. J. Watson Research Center on next-generation Web technologies, focusing on high performance XML parsing, validation, and deserialization, and Web Services infrastructure. Before joining IBM, Eric received his Ph.D. in Information Technology from MIT in 2001 for research in algorithms for discrete element simulation. Previously Eric studied Engineering at Brown University (ScB. 1997), and MIT (SM. 1999).