



summer school

xmlsummerschool.com



5th – 10th September 2010
St Edmund Hall, Oxford

The XML Summer School is a unique training event for everyone using, designing or implementing solutions using XML and related technologies.



Choose the full 5 day package, or one of the shorter 1, 2 or 3 day options.

Learn from some of the most renowned XML experts and gain a unique insight into what it's like to be a student at one of the world's greatest Universities.

“By far the best training course I have ever been on.”

- XML Primer
- Hands-on Introduction
- XSLT and XQuery
- Semantic Technologies
- Trends and Transients
- Web Services and Identity



Situated in the heart of Oxford, St Edmund Hall combines the ancient traditions and buildings that make Oxford famous, with modern teaching facilities and accommodation. From the moment you are greeted at the Front Lodge, you will be immersed in the same magical experience enjoyed for centuries by Oxford University students.

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XML Applications Track 2010

Hands-on XML Track 2010

Sunday 5th Sept



Monday 6th Sept

Semantic Technologies

By connecting more flexible, standardized ways to model and share data with best practices for identifying the meaning (or, at the very least, the source) of descriptive terms, Semantic Web technologies open up new possibilities for developing applications that work across the web or behind your firewall.

Tuesday 7th Sept

This course will include the building blocks of the Semantic Web such as the RDF data model; RDFa, which lets you embed machine-readable facts ('triples') into web pages; the SPARQL query language; and the Web Ontology Language (OWL) for defining vocabularies and term relationships. **[Bob DuCharme, Leigh Dodds, Andy Seaborne, Jeni Tennison]**

Wednesday 8th Sept

Trends and Transients, chaired by Lauren Wood

Each year there are more new technologies to track, more ways to organize your life and your company's information, and more ways to communicate. Here we introduce new technologies, discuss older, under-appreciated ones, and entertain you at the same time. Expert speakers debate current issues, giving you the benefit of their experience and points of view, so you can decide yourself which technologies meet your needs and which are a waste of your time. **[Blaine Cook, Henry Thompson, et al]**

Thursday 9th Sept

Web Services and Identity

Web services are about enterprise-level distributed computing in the 21st century. Web services use XML and the Web as enabling technologies to make application interactions more flexible in response to changing needs. Digital identity is a key ingredient for customizing the operation of web services, as well as authenticating and authorizing users.

Friday 10th Sept

The course uses a real-world focus to discuss features and benefits of web services and digital identity; to review relevant concepts, technologies, and standards; and to examine security and privacy challenges. **[Paul Downey, Marc Hadley, Norm Walsh, Thomas Roessler, Hubert le van Gong, and Robin Wilton]**

XML Primer

This short, Sunday afternoon class provides a brief introduction to XML for newcomers. It takes a whistle-stop tour of the topics covered in practical detail over the three days of the Hands-on Introduction course. **[John Chelsom]**

Hands-on Introduction to XML

The Hands-on Introduction to XML is designed to introduce you to the many and varied aspects of XML design, processing, and delivery through practical, hands-on classes where you will create your own XML documents. All the material is available for you to take away and try out in your own time.

You will learn how to create data structures using an XML editor, create an XML schema model and parse/validate the document structure. You will also have the opportunity to gain an understanding of the latest XML tools and technologies in the marketplace, so that you can develop and implement your own XML solutions.

On this course you will learn about

- ⇒ Content marked up in XML
- ⇒ Validation using XML schemas
- ⇒ XML tools for editing and transformation
- ⇒ Search with XPath and XQuery
- ⇒ Paginated output with XSL-FO
- ⇒ Transformation with XSLT
- ⇒ Transferring structured data between applications
- ⇒ Meta data and knowledge in XML — the Semantic Web
- ⇒ Service Oriented Architectures (web services)

[John Chelsom, Debbie Lapeyre, Adam Retter, and Gary Cornelius]

XSLT and XQuery

These classes and workshop show what you need to put XSLT and XQuery to work, matching business requirements with storage and retrieval architectures. They let you to take XSLT developments to the next level, looking at efficient practices and how to take best advantage of related technologies that fit into the application architecture of larger systems.

The two-part workshop with leading experts concentrates on best practices for building stylesheets for speed, maintainability, grace, and flexibility. Bring your own ideas and questions to get the best out of XSLT development. **[Norm Walsh, Peter Flynn, Priscilla Walmsley, Jeni Tennison, and Michael Kay]**

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