

13–18 September 2015  
St Edmund Hall, Oxford

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



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"*



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

- XML Primer
- Hands-on Introduction
- Publishing with XML
- Linked Data
- Trends and Transients
- Hands-on Web Publishing
- XSLT and XQuery

The fee includes accommodation, meals, refreshments, course materials, and social events for the registration period.

Situated in the heart of Oxford, St Edmund Hall features the ancient traditions and buildings that make Oxford famous. From the moment you are greeted at the Front Lodge, you will be immersed in the same magical experience enjoyed for centuries by Oxford students. Packages include accommodation, all meals in the college, and tuition.

**Register now at [xmlsummerschool.com](http://xmlsummerschool.com)**

# XML Summer School 2015



## XML Applications Track

Sunday 13 Sept

Monday 14 Sept

Tuesday 15 Sept

Wednesday 16 Sept

Thursday 17 Sept

Friday 18 Sept

### Publishing with XML

Publishing faces a combination of diverse challenges: maintaining traditional channels while developing new ones; monetising the lists; managing IP without conflict; leveraging content, and trying to stay ahead of competitors and customers.

XML and its partner technologies are at the core and the leading edge. The course identifies some of the techniques that can be used, with a mix of presentations, case studies, and practical exercises to help leverage more of the resources.

**Peter Flynn (Chair), Tomos Hillman, Norm Walsh, Tony Graham, and Johannes Wilm**

### Linked Data

Linked Data is used in a variety of organisations for projects large and small. It is key to government open data initiatives and enterprise-wide data integrations; and uses flexible ways to model, share, describe, and identify data relationships.

Learn about the building blocks of the Semantic Web and how to use them, including RDF data models, schema.org, and SPARQL queries. Hear how these technologies are used, and try them out in hands-on exercises.

**Philip Fennell (Chair), Elie Abi-Lahoud, John Snelson, and Kal Ahmed**

### Trends and Transients

Each year there are more new technologies to keep track of, more ways to organise your life and your company's information, more ways to communicate. This session introduces you to new and potentially over-hyped technologies, discuss older, overlooked technologies, and entertain you at the same time. Our expert speakers debate the current issues, giving you the benefit of their wide experience and differing points of view, so you can decide for yourself which technologies meet your needs and which are a waste of your time.

**Lauren Wood (Chair), Ian Mulvany, Rik Smithies, John Sheridan, and Vicky Buser**

### Hands-on Web Publishing

This hands-on course complements *Publishing with XML*, making a website from your Word, ODF, or XML documents. Using XSLT2 to transform files into HTML5, with CSS and Javascript for styling, you'll see how to make a website respond to different devices, and how to create a simple epub with Ruby pulling it all together.

Prerequisites: as much XSLT/CSS as used in the *Hands-On Introduction to XML*. No advanced knowledge, JavaScript, or Ruby needed, but scripting experience is an advantage. We teach you enough to get started. **Lauren Wood (Chair), Matt Patterson, Norm Walsh, and Peter Flynn**

### XSLT and XQuery

XSLT lets you define document transformations, so that different stylesheets could create publications from the same content in different media. XQuery lets you pull XML content from repositories, so that you can provide dynamic publications from XML databases that support XQuery, customized for different customers.

Following the *Hands-on Introduction to XML*, these classes are more advanced, and focus on helping existing XSLT and/or XQuery developers get the most out of their code and their development time. **Priscilla Walmsley (Chair), Adam Retter, Florent Georges, and Michael Kay**

## XML Primer and Hands-on Introduction

### XML Primer

This Sunday afternoon class provides a brief introduction to XML for newcomers. It takes a tour of the topics covered in more detail in the three days of the Hands-on Introduction. **John Chelsom**

### Hands-on Introduction to XML

The Hands-on Introduction to XML introduces you to the varied aspects of XML design, processing, and delivery through practical classes where you will create your own XML documents and learn how to create data structures using an XML editor.

Learn how to create an XML schema and validate the document structure. Gain an understanding of the latest XML tools, so that you can develop and implement your own XML solutions. The 3-day course is based around the real life scenario of building a web site using XML technology. It is designed to be practical, informative, and fun!

- Content markup
- Schema validation
- XML editing
- XPath and XQuery
- XSLT transformation
- XSL:FO paged output
- Structured data transfer
- Metadata in XML (semantic web)

Software and exercise material can be taken away to try out in your own time afterwards.

**John Chelsom (Chair), Debbie Lapeyre, and Gary Cornelius**

