



17–22 September 2017  
St Edmund Hall, Oxford

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



Faculty tutors include practitioners and academics who are at the forefront of XML and related technologies. Each course comprises a series of small-group classes, with plenty of time for questions and discussion.

*"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 to XML
- Linked Data
- XML in Publishing
- Trends and Transients
- Hands-on Digital Publishing
- XSLT and XQuery

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



All the faculty and delegates stay in college and take part in the social events, so there's lots of opportunity to discuss questions that arise after the classes. Situated in the heart of Oxford, St Edmund Hall features the ancient traditions and buildings that make Oxford famous.

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

# XML Summer School 2017



## XML Applications Track

Sunday 17 Sept

Monday 18 Sept

Tuesday 19 Sept

Wednesday 20 Sept

Thursday 21 Sept

Friday 22 Sept

### XML in Publishing

XML helps managerial as well as technical challenges: managing the workflow, the interaction between content and people, and the publishing process, as well as the documents. The structure of XML ensures that information itself can be managed.

This course presents a range of XML techniques and applications in workflow, change management, QA, linked data, and document structure control to help publishers manage their content effectively. The Hands-on Digital Publishing course provides material that complements this course.

**Peter Flynn (Chair), Tomos Hillman, Norm Walsh, Tony Graham, and Nic Gibson**

### 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 will introduce you to new, potentially over-hyped technologies; discuss older, overlooked technologies; and entertain you at the same time. Our expert speakers debate the issues, giving you the benefit of their experience and points of view, so you can decide for yourself what will meet your needs and what is a waste of your time.

**Lauren Wood (Chair), Peter Krautzberger, Steve Neale, Ann Wrightson**

### Hands-on Digital Publishing

Do you have Word, ODF, or XML documents, maybe with images or video, that you want to publish to the web or as an EPUB? This course will show you how to do precisely that. This course complements the *Publishing With XML* and *Hands-on Introduction to XML* courses.

Prerequisites: as much XSLT/CSS as used in the *Hands-On Introduction to XML*. No advanced knowledge needed, but scripting experience is an advantage. We teach you enough to get started.

**Lauren Wood (Chair), Norm Walsh, Matt Patterson, and Peter Flynn**

### Linked Data

Linked Data and other Semantic Web technologies are used in a variety of organisations for projects large and small. They are a key feature in both government open data initiatives and enterprise-wide data integration systems for internal use.

In this course, you'll learn about the building blocks of the Semantic Web and how to use them, including how to model your data in RDF, integrate with third-party and OpenData sources, and how to enter and run SPARQL queries. You'll hear about how these technologies are used today, and have a chance to try them out in the hands-on portions of the classes.

**Kal Ahmed (Chair), Andy Seaborne, and Jen Williams**

### XSLT and XQuery

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

Following the *Hands-on Introduction to XML*, these more advanced classes focus on helping XSLT and/or XQuery developers get the most out of their code and their development time.

**Priscilla Walmsley (Chair), Michael Kay, Adam Retter, and Florent Georges**

### XML Primer and Hands-on Introduction

#### 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 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 using an XML editor.

You will learn how to create data structures and an XML schema model, and parse/validate the document. You will also be able to gain an understanding of the latest XML tools and technologies so that you can develop and implement your own XML solutions. Software and exercise material can be taken away to try out in your own time afterwards. The class includes:

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

If you have some experience in XML, you should consider the Hands-on Digital Publishing course.

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



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