

## XML Internationalization

### ■ Overview

The XML Internationalization workshop will provide attendees with a broad understanding of XML globalization processes, issues and pitfalls. Numerous practical examples, from real projects, will be presented.

The workshop covers how to create and manage multilingual XML content: how to internationalize schemas to make them both world-ready and localizable, how to author effectively, how to code XML/XSL applications with globalization in mind and how to deal with localization.

### ■ Target Audience

This course is intended for content producers and editors, project managers and team leaders, XML and XSL developers, document architects, etc. It is recommended that attendees have a basic knowledge of XML and XSL (and have taken the "All About Internationalization" workshop).

### ■ Benefits

This workshop provides content and software professionals with a solid foundation on document internationalization and a practical, extensive coverage of XML internationalization techniques.

### ■ Duration

The agenda described below is for a one day session.

### ■ Pre-requisites

None. Having followed the "All About Internationalization" workshop, however, is beneficial and recommended.

## ■ Agenda

### 1. Internationalization features of XML

- Character encodings
- Language tagging
- Normalization
- Human Readable & Internationalized Resource Identifiers

### 2. International-enabled schemas

- Script support: bidi, ruby
- Language declarations
- Presentation markup

### 3. Mixing XML and Unicode

- Unicode Technical Report #20
- Markup or character?
- Unadvisable characters

### 4. The Localization Process

- Content management
- Workflow
- Automated Localization Cycle
- A practical localization scenario
- How to deliver content to translation

### 5. Localization-ready schemas

- Localization data categories: translatability, translation notes, etc.
- Span element
- Unique IDs

### 6. The Internationalization Tag Set (ITS)

- Overview, scope
- Local and global selection
- ITS rules

## 7. Authoring guidelines

- Character set selection
- Text entry and escaping
- Language tagging
- Multilingual documents

## 8. Coding internationally

- Language equivalence, default language
- Internationalizing stylesheets
- Carrying language information

## ■ Handouts

Each attendee will receive a 150+ page booklet, one slide per page, with ample room to take notes, complete with table of contents. The booklet is designed to serve as a practical useable reference document for on-going use during an internationalization project.

## ■ About our Instructor – François Yergeau

François Yergeau is a consultant with 10 years experience in XML and 20 years in internationalization. He is active in standardization (ISO, IETF, Unicode, W3C), especially internationalization of the Web, as co-editor of the XML 1.0 and XML 1.1 specifications and of the Character Model for the World Wide Web and as the editor or author of five Internet RFCs. He was instrumental in designing, specifying and implementing the Tango Multilingual Browser from Alis Technologies, praised for its unique multilingual capabilities.

François is chair of the World Wide Web Consortium (W3C) Working Group on Internationalization Architecture and sits on the XML Core Working Group. He has also been a member of the Advisory Committee of the W3C.

Additionally, François is a member of the Conference Board of the Internationalization and Unicode Conference series. He holds B.Sc. and Ph.D. degrees.