LAMS 2.0 Technical Workshop

Presenters: Fiona Malikoff and Ernie Ghiglione

Length of workshop

Half day; 2pm – 5pm; Friday 8 December

Cost

$95 (half day) + 10%GST = $104.50

Venue

The University of Sydney Conservatorium, Macquarie Street. Sydney

Intended audience

This is a technical seminar and we strongly recommend a solid understanding of object-oriented programming. Since LAMS is a Java based application, Java programming experience is welcome, however, not required.

Maximum number of participants

25 participants

Workshop description and aims

In this workshop we will unveil all the technical aspects of LAMS 2.0. We will cover LAMS' modular architecture placing special emphasis on tool creation, using the LAMS tool contract.

Outcomes for participants

After this workshop you will be able to follow the LAMS modular architecture to create collaborative LAMS tools.

Prerequisites

During the conference, participants will receive a LAMS 2.0 Workshop Package with all the software and necessary tools you need to start the technical workshop. It is

important that you install all the required software and tools *before* you attend the workshop. If you encounter any problems setting up the software and tools, please contact the information desk at the conference for assistance.

Workshop Flow	Time/Materials Required
Welcome to LAMS Tech Workshop Introductions & Workshop content By Fiona Malikoff and Ernie Ghiglione	5 minutes
Introducing LAMS 2.0 under the hood - Architecture - Technologies used and their place in the puzzle - LAMS Core - LAMS 2.0 Tool Contract - LAMS Tools	30 mins
Dissecting the LAMS Tool Contract - Authoring - Monitor - Learner - Admin - Other LAMS services	10 minutes
Break	15 minutes
LAMS Tool Creation Hands-on Before you start a LAMS tool: - Guide to a good pedagogically sound tool - Starting a tool from scratch - Using existing tools within LAMS	10 minutes

Workshop Flow	Time/Materials Required
Using the LAMS tool's template - Creating your data-model - Designing your authoring screen and the LAMS Tool contract - Your learner pages - Monitoring learners' progress and LAMS Monitor - Making your tool "Group Aware" - Exporting your tool content - Exporting Portfolios - Data Inputs and Outputs Using external tools within LAMS - The LAMS Tool wrapper	80 minutes 10 minutes
Fine tunning LAMS - Scalability - Authentication - LAMS and other LMS	20 minutes
Wrap up and further resources	5 minutes

Presenters

Fiona Malikoff

Fiona is the Technical Lead for the LAMS development team. Fiona started with LAMS during the initial development. Fiona left when she moved interstate but loves LAMS so much she returned to the team in 2004. Fiona's commercial experience extends from small computer companies of twelve people, to a government department, to an IS department in the telecommunications industry. She became a team leader in her first job out of University and hasn't been able to escape from the role ever since. Fiona has a BSc (Computing Science major) from Macquarie

University and a MSc (Thesis on Software Reuse) from the University of Technology, Sydney.

Ernie Ghiglione

Ernie is the LAMS project manager. Ernie has been involved in various open source project in e-learning before. He has developed parts of the .LRN Learning Management System, specially the Learning Object Repository, content delivery platform, one of its assessment engines, the IMS Content Packaging, IMS Metadata and SCORM implementation. Prior to managing e-learning projects, Ernie led large enterprise software development in the US, the Netherlands and India for five years. He holds an MSc BSc Management Information Systems (magna cum laude) from New York University and a Master of Software Engineering from the University of Sydney.