

Telelogic and LDRA invite you to a complimentary hands-on technology workshop which focuses on best practices in model-driven development and testing.

In this workshop you will discover first hand how to build an embedded application using Model-Driven Development (MDD) and the Unified Modelling Language (UML). Furthermore, you will then test the application incorporating the latest testing technologies.

You will learn how MDD and LDRA analysis tools can benefit you in the following ways:

- **Developing a clear, validated, architectural and behavioural description using the Unified Modelling Language (UML)**
- **Automating Design, Code and Quality Reviews**
- **Fast generation of production quality C and C++ code from the UML model**
- **Determine standards compliance (eg: MISRA C / MISRA-C:2004 and DO-178B) with Static and Dynamic Analysis**
- **Automated Unit Testing**
- **Requirements-based validation through execution of the model**
- **Rapid error correction with bidirectional link to the UML model**

Telelogic Rhapsody® is the industry's leading UML® 2.1 and OMG SysML™ based Model Driven Development™ environment for technical, real-time or embedded systems and software engineering. With the advanced capability to extend UML 2.1, Rhapsody allows both function-oriented and object-oriented design techniques to co-exist in one environment.

LDRA is the leading provider of automated software testing and analysis tools for the embedded market place. LDRA provides a unique testing platform that helps teams accelerate testing embedded systems and deliver safe and mission critical software on time. Automated Unit Testing, Code Coverage Analysis, Code Review, Quality Review, Design Review and Test Requirement Tracking are key solutions for developers/testers to overcome the challenges of testing embedded software and manage test requirement traceability. The LDRA tool suite supports C/C++, Ada 83/95 and Assemblers.

If you have attended one of our other technology seminars you will see that we try and focus each seminar on a specific area of interest. In this case, early error detection is the primary focus point.

Who Should Attend:

Engineering Managers, Software Engineers, Software Quality and Test Engineers

When: 4th March 08

Location: Eindhoven, The Netherlands

Register today at <http://www.embedded-masterclass.nl>
or by emailing your contact information to info@embedded-masterclass.nl

Agenda

8.30 - 9:30	Registration and Software Installation (software required for all hands-on lab activities)
9:30 - 9:45	Introductions
9:45 - 10:15	Discussion: Model Driven Development Using UML
10:15 - 10:45	Discussion: Testing Strategies and Technologies
10:45 - 11:00	Break
11:00 - 12:45	MDD: Architecture, Behaviour, and Collaboration
12:45 - 1:15	Automated Design and Code Reviews
1:15 - 2:00	Lunch
2:00 - 2:30	Application Generation
2:30 - 4:00	Host-based execution and validation
4:00 - 4:45	Automated Unit Testing
4.45 - 5.00	Wrap up and Questions

Model-Driven Development (MDD)
Unified Modelling Language (UML)
Code & Quality Reviews
Static & Dynamic Analysis
DO-178B
MISRA C / MISRA-C:2004
C/C++ Code
Automatic Unit Testing
Design Reviews
Testing Strategies & Technologies