

Emenda will hold a morning seminar at Reading on **Tuesday 18th October** on:

**Software quality improvement, development process optimisation
and cost reduction**

Emenda (www.emenda.eu), the software quality solutions provider, is pleased to announce a seminar on the morning of 18th October. The seminar will introduce the following tools as part of a cost-effective strategy to improve software quality and streamline the development process:

- **Klocwork** (www.klocwork.com): Quality and Security Defect Detection and Standards Compliance for C/C++, Java and C#
- **SciTools Understand** (www.scitools.com): Code Knowledge, Metrics & Reporting, Standards, Dependency Analysis and Code Editing

Understand^{scitools}



klocwork
a Rogue Wave Company

The Seminar

The seminar sessions are organised by Emenda with support from Rogue Wave and SciTools and will include a presentation from SciTools CTO Kevin Groke. A complimentary buffet lunch is included.

Emenda® is an international company specialising in the provision of [software testing tools](#) and [consultancy services](#) for the development and verification of high-integrity software systems to customers worldwide. Emenda offers unique expertise in the development of critical applications in areas as diverse as automotive, aerospace, telecommunications, electronics and finance. We bring this expertise to our customers by providing tools across the development life-cycle, from design to coding to validation and verification, supported by our range of professional services.



Session One: Detecting and Fixing Critical Errors in Source Code

- **Klocwork:** a static code analysis tool for C/C++, Java and C# that detects critical defects such as buffer overflows, array bounds violations, memory leaks and NULL pointers in source code.

The session will cover:

- o Presentation of the T0 concept to catch errors on the desktop, as the developer writes code
- o Developing custom checks for coding standard enforcement
- o Meeting industry standards, such as MISRA, CERT, CWE and OWASP
- o Embedding code review into the development process

www.klocwork.com

Break for coffee

Session Two: Code Discovery and Understanding

- **SciTools Understand:** a static analysis tool for analysing, visualising, measuring and understanding large, complex or legacy code bases.

The session will cover:

- o Generating and utilising metrics, including Complexity, Max Inheritance, Knots, percentage lack of Cohesion
- o Visualising your software
- o Using graphs, including Declaration graphs, Hierarchy graphs and UML class graphs
- o Using CodeCheck in Understand, including MISRA functionality
- o Extending Understand using the API

www.scitools.com

Complimentary buffet lunch

Registration

This seminar is for quality engineers, project managers, technical managers, software developers and anyone responsible for test methodologies and tools or for ensuring software quality.

To register for the seminar please complete and return the registration form and return it to Mark Snewin by e-mail (mark.snewin@emenda.eu). Upon receipt of your registration form further details will be sent to you. If you have any queries please contact Mark by e-mail.

Registration Form

Seminar at Reading, **18th October**, on the topic of:

Software quality improvement, development process optimisation and cost reduction

Name: Email:

Company: Tel:

Position: Fax:

Address:

.....

I will be accompanied by my colleagues:

Name: Position:

Name: Position:

I will attend the seminar on the morning of 18th October 2016

I cannot attend the seminar but would like to receive more information about the seminar topics

Due to limited places, please return your form as soon as possible. Upon receipt of the registration form you will be sent a confirmation and further details about the event, including the venue. Please send your completed form to mark.snewin@emenda.eu.

Emenda UK Office – Lime Kiln House, Royal Wootton Bassett, Swindon SN4 7HF	+44 (0) 1793 858 250
Emenda Germany Office – Terminalstr. Mitte 18 – D-85356 München	+49 (0) 89 97007 400
Emenda Switzerland Office – Blegistrasse 11b – 6341 Baar	+41 (0) 41 768 11 61
Emenda France Office – 7 rue Fénélon – 33 000 Bordeaux	+33 (0) 9 51 04 01 08
Emenda China Office – SongDu Olympic Building, n° 301 JiangDongZhong, 21009 Nanjing	+86 (0) 25 8478 0234
Emenda Nordic Office – Östanvik Landsvägen 52 – 790 70 Furudal	+46 (0) 73 747 1788
Emenda USA Office – 3520 Scheele Drive – Jackson MI 49202	+1 (613) 501 5101