

**- PRESS RELEASE -**

## **MISRA C Chair to announce publication of MISRA C:2012 Amendment 2 at Embedded World**

The MISRA consortium, a world-leading collaboration between manufacturers, component suppliers and engineering consultancies, has today announced the publication of a key update to their MISRA C:2012 guidelines.

Andrew Banks, Chairman of the MISRA C Working Group, announced Amendment 2 to their world-leading MISRA C guidelines as part of stream of events at the Embedded World exhibition in Nuremberg, Germany.

The amendment extends MISRA C guidelines to address issues of concern with the 2011 and 2018 editions of the C Standard by mapping the undefined, unspecified and implementation-defined behaviours to the existing MISRA C guidelines. It also provides a framework for further guidance in the newer C11/C18 features, including multi-threading and atomics.

Also being announced at the event is MISRA Compliance:2020, an updated framework for claiming compliance with MISRA coding guidelines which includes guidance on a robust and structured process for the use of deviations. With the adoption of Amendment 2, MISRA Compliance becomes a mandatory part of MISRA C.

The MISRA stream of eleven presentations is hosted by Andrew Banks on the first day of the prestigious three day conference.

Banks will also host a Situation Report from the MISRA Consortium in which he will discuss recent activities and the future road map. He said, "Having a whole stream of events at Embedded World highlights shows the importance of the MISRA C and C++ guidelines to the wider embedded community."

Banks also welcomed the opportunity to publicly represent MISRA at the event, adding, "this stream provides an opportunity for users of MISRA C/C++ to engage with members of the MISRA Working Groups, and to give their feedback on the guidelines."

The announcement comes on the back of the MISRA consortium celebrating 25 years since the landmark publication of "Development Guidelines for Vehicle Based Software", which was marked in November 2019.

The original guidelines, and the revisions and amendments that have followed, have underpinned significant improvements in vehicular software safety; and the success has seen the principles adopted by many other industries.

### **Notes to editors**

For more information, or to arrange an interview with MISRA C Chair, Andrew Banks, contact Luke Harrison on [luke@lhcomms.com](mailto:luke@lhcomms.com), or (44)7792 051739.

### **About MISRA**

MISRA is a collaboration between manufacturers, component suppliers and engineering consultancies which seeks to promote best practice in developing safety and security-related electronic systems and other software-intensive applications. ([www.misra.org.uk](http://www.misra.org.uk))

The MISRA consortium was conceived in the early 1990s as a project in the UK government's 'SafeIT' programme to develop guidelines for embedded software in road vehicle electronic systems. Membership now consists of members from other industries in the safety-related embedded systems world, alongside automotive companies.

### **MISRA Stream events**

Date: Tuesday 25 February

Location: Conference Counter NCC Ost

#### **9:30 - 10:00**

[C – The Language of Embedded](#)

Colin Walls - Mentor Graphics (Deutschland) GmbH

#### **10:00 - 10:30**

[Introducing Rust from a C Programmer's Perspective](#)

Niall Cooling – Feabhas

#### **10:30 - 11:00**

[Safety-Critical Software Development in C++](#)

Dr. Daniel Kästner - AbsInt Angewandte Informatik GmbH

#### **11:30 - 12:00**

[MISRA Working Group Situation Report](#)

Andrew Banks - LDRA Limited

#### **12:00 - 12:30**

[MISRA C++ 202x: Will your C++ be Ready?](#)

Prof. Peter Sommerlad - FHO HSR Rapperswil

#### **14:30 - 15:00**

[Undecidable Rules and How to Live with Them](#)

Dr. Daniel Kästner - AbsInt Angewandte Informatik GmbH

#### **15:00 - 15:30**

[BARR-C:2018 and MISRA C:2012: Synergy Between the Two Most Widely Used C Coding Standards](#)

Prof. Dr. Roberto Bagnara – BUGSENG

#### **15:30 - 16:00**

[Integration of AUTOSAR C++ Coding Guidelines into MISRA C++](#)

Dr. Frank van den Beuken - Perforce Software UK Ltd.

#### **16:30 - 17:00**

[MISRA C: a Focus on Writing Clear, Maintainable Code](#)

Colin Walls - Mentor Graphics (Deutschland) GmbH

**17:00 - 17:30**

[The Practicalities of MISRA Compliance / Why the MISRA Deviation Process is Key to Language Subset Adaptability](#)

Mark Richardson - LDRA Limited

**17:30 - 18:00**

[Software Intelligence for an Efficient MISRA Compliance Strategy](#)

Dr. Ralf Huuck - LOGILICA