# CALL FOR PAPERS

The purpose of WMC is to share new ideas, experiences and information about research and development of Mixed Criticality real-time systems.

## THEMES

The workshop aims to bring together researchers working in fields relating to real-time systems with a focus on the challenges brought about by the integration of mixed criticality applications onto singlecore, multicore and manycore architectures. These challenges are cross-cutting. To advance rapidly, closer interaction is needed between the sub-communities involved in real-time scheduling, real-time operating systems / runtime environments, and timing analysis. The workshop aims to promote understanding of the fundamental problems that affect Mixed Criticality Systems (MCS) at all levels in the software/hardware stack and crucially the interfaces between them. The workshop will promote lively interaction, cross fertilisation of ideas, synergies, and closer collaboration across the breadth of the real-time community, as well as attracting industrialists from the aerospace, automotive and other industries with a specific interest in MCS. Original unpublished papers on all aspects of mixed criticality real-time systems are welcome.

Themes include, but are not limited to:

- Task and system models for MCS on singlecore, multicore, and manycore platforms.
- Scheduling schemes and analyses for MCS, including the integration of appropriate models of overheads and delays.
- Run-time environments and support for MCS, including data exchange and synchronisation across criticality levels, and issues relating to criticality mode.
- Analysis of worst-case execution times (WCET) relating to MCS.
- Mixed criticality communications mechanisms and analysis, including Network-on-Chip support.
- Probabilistic analysis techniques for MCS.

The workshop does not aim to cover security aspects that relate to some MCS.

## PAPER SUBMISSION

Papers must be submitted electronically in a pdf format. The material must be unpublished and not under submission elsewhere. Submissions must be in the same format as in the final proceedings (6 pages maximum, 2 columns, 10 pt) compliant with the IEEE formatting guidelines. Papers exceeding the page limit will not be reviewed. See the workshop website for further details about submissions.

## PROCEEDINGS

WMC will publish informal proceedings. The authors retain the copyright to their work and are free to submit extended versions to a conference or journal.

Submission deadline extended to: 11th October 2013

---

**Program Chairs:**
Liliana Cucu-Grosjean  
INRIA, Nancy Grand-Est, France  
liliana.cucu@inria.fr

Rob Davis  
University of York, UK  
rob.davis@york.ac.uk

**Steering Committee:**
Sanjoy Baruah, Liliana Cucu-Grosjean, Rob Davis, Claire Maiza

**Important dates:**

- **Submission deadline:** 4th October 2013
- **Notification of acceptance:** 30th October 2013
- **Final Versions:** 6th November 2013
- **Workshop:** 3rd December 2013
- **Conference:** 3rd-6th December 2013

**PROGRAM COMMITTEE**
Sanjoy Baruah, Arvind Easwaran, Sebastian Faucou, Laurent George, Raphael Guerra, Leandro Indrusiak, Karthik Lakshmanan, Giuseppe Lipari, Claire Maiza, Vincent Nelin, Moritz Neukirchner, Gabriel Parmer, Susan van der Ster, Wang Yi