



# 1<sup>st</sup> International Workshop on Mixed Criticality Systems (WMC)

Sessions: Salon E

Lunch: Tuscany Room

	<p><b>Introduction</b></p> <p><b>Invited talk: Reminiscences on Mixed Criticality Systems</b> <i>Steve Vestal</i></p> <p><b>Towards a More Practical Model for Mixed Criticality Systems</b> <i>Alan Burns and Sanjoy Baruah</i></p> <p><b>Extending Mixed Criticality Scheduling</b> <i>Tom Fleming and Alan Burns</i></p> <p><b>On the Expressiveness of Fixed-Priority Scheduling Contexts for Mixed-Criticality Scheduling</b> <i>Marcus Volp, Adam Lackorzynski and Hermann Hartig</i></p> <p><b>Questions and Discussion</b></p>
9:00 – 10:30 Session 1	<p><b>Coffee Break</b></p> <p><b>Safety Assurance Driven Problem Formulation for Mixed-Criticality Scheduling</b> <i>Patrick Graydon and Iain Bate</i></p> <p><b>A Safety Concept for a Wind Power Mixed-Criticality Embedded System Based on Multicore Partitioning</b> <i>Jon Perez, David Gonzalez, Salvador Trujillo, Ton Trapman and Jose Miguel Garate</i></p> <p><b>The Quest-V Separation Kernel for Mixed Criticality Systems</b> <i>Ye Li, Richard West and Eric Missimer</i></p> <p><b>Memory Architectures for Noc-Based Real-Time Mixed Criticality Systems</b> <i>Neil Audsley</i></p> <p><b>Questions and Discussion</b></p>
10:30 – 11:00	<p><b>Lunch</b></p> <p><b>Maximizing the Execution Rate of Low-Criticality Tasks in Mixed Criticality System</b> <i>Mathieu Jan, Lilia Zaourar and Maurice Pitel</i></p> <p><b>Multi-Criteria Evaluation of Partitioned Edf-Vd for Mixed-Criticality Systems Upon Identical Processors</b> <i>Paul Rodriguez, Laurent George, Yasmina Abdeddaim and Joel Goossens</i></p> <p><b>Mixed Criticality Scheduling Applied to JPEG2000 Video Streaming Over Wireless Multimedia Sensor Networks</b> <i>Alemayehu Addisu, Laurent George, Vincent Sciandra and Max Agueh</i></p> <p><b>State-Based Mode Switching with Applications to Mixed-Criticality Systems</b> <i>Pontus Ekberg, Martin Stigge, Nan Guan and Wang Yi</i></p> <p><b>Questions and Discussion</b></p>
11:00 – 12:30 Session 2	<p><b>Coffee Break</b></p> <p><b>Time-Triggered Mixed-Critical Scheduler</b> <i>Dario Succi, Peter Poplavko, Saddek Bensalem and Marius Bozga</i></p> <p><b>Mixed Criticality Scheduling in Time-Triggered Legacy Systems</b> <i>Jens Theis and Gerhard Fohler</i></p> <p><b>Schedule Table Generation for Time-Triggered Mixed Criticality Systems</b> <i>Jens Theis, Gerhard Fohler and Sanjoy Baruah</i></p> <p><b>Questions and Discussion</b></p> <p><b>Wrap-up</b></p>
12:30 – 14:00	<p><b>Workshop closing</b></p>
14:00 – 15:30 Session 3	
15:30 – 16:00	
16:00 – 17:15 Session 4	
17:15	