

Introduction: Embedded Systems, Computing and Control

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Computing (Call-4)

Programmability
Multicore and Reconfigurable Architectures

Systems Design (Call-4)

Theory & Methods
Platform-Based Design

Networked Monitoring & Control (Call-5)

Complex Systems Engineering
Wireless Sensor Networks & Cooperating Objects
Control of Large-Scale Systems

Embedded Systems Design

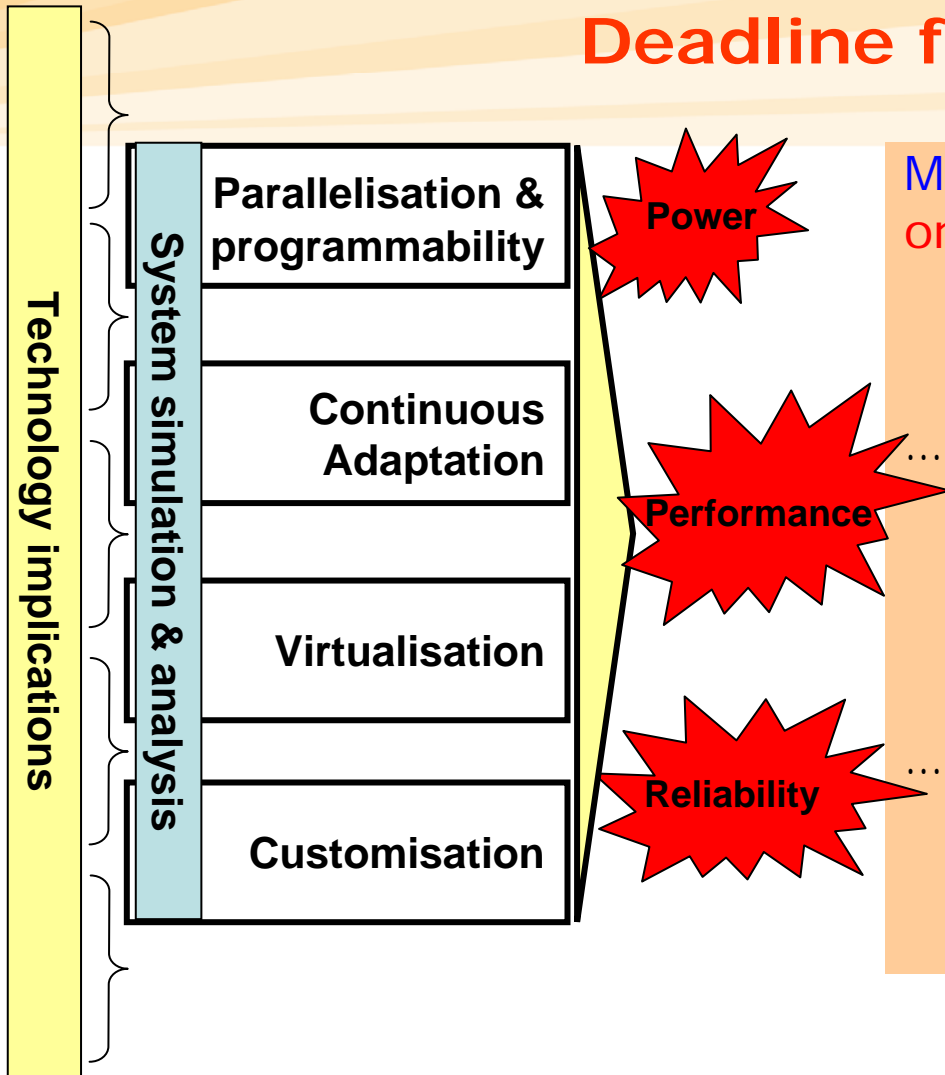
Research Objective ICT-2009.3.4

Call-4

Deadline for Proposals: 1-April-2009

- a) Theory and novel methods for embedded system design
- b) Modules and tools for embedded platform-based design
- c) Coordination of national, regional and EU-wide R&D strategies

Deadline for Proposals: 1-April-2009



Multicore and/or reconfigurable on-chip computing systems must offer ...

- More **performance**
- More **power-efficiency**
- More **reliability**

... through breakthroughs in ...

- **Parallelisation & Programmability**
- **Continuous Adaptation**
- **Customisation**
- **Virtualisation**
- **System simulation and analysis**

... without forgetting ...

- **technology implications**
e.g. **3D stacking**

Engineering of Networked Monitoring and Control Systems

Research Objective ICT-2009.3.5

Call-5

Deadline for Proposals: September 2009

The activities in this area address engineering technologies for large scale, distributed and cooperating systems for monitoring and control, including wireless sensor networks.

Target outcomes (Note : Addressing one of the following a) ,b) ,c) is sufficient for a proposal)

- a) Foundations of complex systems engineering**
- b) Wireless Sensor Networks and Cooperating Objects**
- c) Control of large-scale systems**

“academic+”

“mixed”

“industry+”