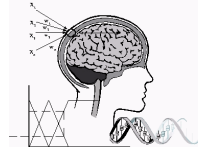




# International

*Innovation in Knowledge Based and Intelligent  
Engineering Systems*



## INVITED SESSION SUMMARY

**Title of Session:**

Exploiting Internet of Things and embedded systems features within high-performances architectures

**Name, Title and Affiliation of Chair:**

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Giovanni Cozzolino, PhD;

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Department of Engineering , University of Naples "Parthenope"

**Details of Session (including aim and scope):**

The IoT is undoubtedly the ICT branch that is marking the greatest increase in investment and attention. Forecasts estimate that by 2020 there will be more than 50 billion objects connected and interconnected, six on average for every inhabitant of the earth. This is why there are so many companies that wanted to invest in this sector. Collaterally, it is important to pay attention to this evolution considering the implications in terms of safety, respect of privacy and reliability.

A correct positioning of computing resources in the network is crucial for IoT platforms, so it is fundamental the design and implementation of innovative solutions to support the deployment of high performances architectures for distributed computing.

**Main topics:**

- Internet of Things
- IoT Application and Services
- IoT Mobility, localization, tracking & security
- Real-Time & Multi-Core Embedded Systems
- Embedded Software and Compilers
- Systems on chip
- Computer architectures
- High-performance computing
- Hardware and software co-design
- Big Data Mining and Analytics
- Big Data Processing and Querying
- Intelligent infrastructure
- Programming Languages and Run-Time Systems
- Mobile computing
- Operating Systems and Scheduling
- Fault Tolerance and Security
- Computer and communication security
- Applied cryptography, Cryptanalysis, Digital Signatures
- Cryptography and cryptanalysis
- Intrusion detection systems
- Authentication and access control
- Privacy and data protection
- User & location privacy
- Biomedical and Healthcare Informatics

**Main Contributing Researchers / Research Centres (tentative, if known at this stage):**

**Website URL of Call for Papers (if any):**

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