CALL FOR PAPERS

PROGRAM

Last year ECS celebrated its 10:th year of successful conferences with a record breaking 1,851 visits over two days. The conference was founded by the Swedish Electronics Trade Association together with the trade magazine Elektronik i Norden. ECS is organized in cooperation with the exhibition organizer BraMässor. This year we look forward to the 11:th ECS and aim for even more visitors this year!

ECS offers several conference tracks with selected speakers together covering important trends and key areas of embedded applications and technologies. In addition to the conference tracks a great exhibition gathers a wide spectrum of companies in the embedded industry.

The conference program has evolved over past years and this year we will further embrace the strong trend of Internet of Things (IoT) and advanced sensors applied within the automotive industry and for other applications. This year's conference edition will have three focus areas:

Connected systems of embedded systems: interoperability, integration, wireless technologies, 5G technology and opportunities.

Embedded software development and use: tools, methodology, software testing, planning, project management, practices and case studies.

Embedded systems in the automotive industry: automated and autonomous vehicles, driver assistance systems, advanced monitoring for maintenance.

The ECS 2016 program will cover today's hot issues in the world of embedded systems, related to the focus areas and other relevant issues of embedded. From components and operating systems to standard modules and system solutions, including low power processors, multicore and the new generation tools for faster and safer development. Open source and FPGA are other subjects where we see an interesting and rapid evolution.

We encourage the talks to be related to the latest technology, research programs together with users' experience and future requirements. Also, we welcome talks on emerging embedded technologies, systems and applications.

CONFERENCE TOPICS OF INTEREST

- Embedded hardware design aspects
- System development and testing
- Embedded software implementation
- Quality and security
- Project case studies

INTENDED AUDIENCE

- Design, software and test engineers
- Hardware and software designers
- Project leaders
- System analysts
- Engineering managers
- Marketing and product managers

The target for ECS 2016 is more than 2000 visitors.

PARTICIPATION

The conference is free of charge and open to anyone involved in the design, development, integration, marketing, use or support of embedded electronics, or related hardware, firmware or services.

THE CONFERENCE LANGUAGE

Is English

PROPOSAL FORMAT

The proposal should be maximum one page and consist of:

1. A headline
2. A brief abstract and major topics
3. A short biography of the presenter
4. Suggested length of presentation
5. Contact information (Email address and phone number) to the presenter and other contact person if available

The program consists of Keynotes, Tutorials, Paper sessions and Vendor presentations.

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TOPICS OF INTEREST AT ECS 2016

All proposals with a high technical level are welcome. The presentation layout should be – Situation – Problem – Solution, where products can come in as suggested solutions. Pure product presentations will not be accepted. We especially appreciate contributions close to our selected topics.

PRESENTATION FORMATS:

- **Keynotes:** 30 minutes visionary views on the future in embedded and IoT development.
- **Presentations:** 30-45 min. under a common session description headline.
- **Tutorials:** 60 min educational session. Highly technical and educational subjects.

SUBJECTS INTERESTING FOR PRESENTATIONS AND TUTORIALS:

Connected systems of embedded systems	Interoperability, protocols and APIs, integration, wireless technologies, 5G technology and opportunities
Embedded software development and use	Software development tools, validation, methodology, planning, project management, case studies
Embedded systems in the automotive industry	Automated and autonomous vehicles, driver assistance systems, advanced monitoring for maintenance
Operating systems	Linux, Android, Windows, virtualization, optimized real time kernels, other operating systems for IoT
Open source	Anything open, hardware, software, tools, software management, graphical user interfaces, case studies
Embedded multicore, challenges and solutions	Architectures, programming tools, key challenges and solutions, applications, power efficiency, case studies
FPGA	High density solutions, design and programming environments and tools
Low power design, processors and systems	System design, tools, software optimization, energy harvesting, duty cycling, low power communication
Embedded security, components to system	Safety and security in embedded IoT systems, mechanisms, threats, requirements, testing
Software quality, testing and maintenance	Model based testing, test automation, advanced testing tools, combination of tools for system testing
EMC design and test	Design, requirements, test strategies, test chambers

Please submit your proposal no later than June 1, 2016 to submissions@embeddedconference.se.
For further information, please contact Ulf Bodin, email ulf.bodin@ltu.se or telephone +46 (0)70 579 55 19.

Embedded Conference Scandinavia is organized by:

SVENSK ELEKTRONIK

embedded technology
Sektion inom Svensk Elektronik

Elektronik i Norden

BraMässor
Svenska BranschFöreningars Mässbolag