



KTH Innovative Centre for Embedded Systems

NEWSLETTER AUGUST 2014

ICES welcome you to an autumn with a number of interesting events that we highlight in this newsletter. The first workshop – on embedded systems engineering education - takes place already on August 26th. The ICES members meeting on November 18th provides a unique opportunity to network with other ICES members and to get insight into ICES activities, including the focus groups. ICES are also happy to introduce our new co-director Maria Wäppling who takes over after Magnus Persson – Welcome Maria and thank you Magnus for your efforts!

As always, your ideas and suggestions for ICES events are most welcome. We look forward to meeting you at some of the ICES events this autumn!

➤ FORTHCOMING ICES EVENTS! (see the [ICES Events Calendar](#))

- ☒ **August 26:** Workshop and match-making event – [Forming the future education in the area of Embedded systems and related subjects!](#) Embedded systems education is facing several challenges as every-“thing” becomes connected, and as technology development accelerates. While KTH and Swedish education is doing relatively well, these challenges need to be responded to. At the workshop, industrial speakers will present their views on current and future educational needs, whereas KTH representatives will present current education and evolution plans, with lots of discussions! The workshop will be followed by a matchmaking event among industry and KTH teachers, with an opportunity to exchange ideas on how industry and KTH together can improve the engineering education, including continued education.
- ☒ **September 9:** [FPGAworld Conference 2014](#).
- ☒ **September 25:** Swedsoft arranges [STEW 2014](#) (Software Technology Exchange Workshop).
- ☒ **October 2:** Co-organized workshop with Swedsoft: [“Agile, Safety and Innovation – synergies and tensions when best practices meet in the development of software intensive systems”](#). The interest for Agile development approaches has increased remarkably within industrial product development. Stemming originally from smaller scale software engineering, the approaches have been adopted to large-scale development often involving software as well as hardware, frequently in conjunction with strict demands on quality and related non-functional aspects, such as safety. The purpose of the workshop is consequently to highlight and discuss the identified concerns, tensions and ideas for how various best practices can be merged to form improved development processes.
- ☒ **October 7-9:** [SICS Software week 2014](#).
- ☒ **October 22 (preliminary date):** Seminar: [“Requirements management for embedded systems”](#), focusing on the challenges seen in actual real-world development in ensuring that requirements are written in an understandable, usable and complete way. What are the current approaches to requirements management in research? What are the practical challenges?
- ☒ **November 4-5:** [Embedded Conference Scandinavia](#) (ECS) at Kistamässan. ICES will take part in the exhibition and will arrange a workshop on embedded Linux (November 4th). Mark the day already now!
- ☒ **November 18 (morning):** [ICES Member Meeting](#), a great opportunity to meet other ICES gold and silver members and to learn more about what is happening in the different ICES [Working groups](#) and [Focus groups](#).
- ☒ **November 18 (afternoon):** [ICES Conference](#) on the theme System Architecture. This seminar will focus on the importance of system architecture and discuss trends, experiences and best practices within both the academic and industrial world.

➤ FOCUS GROUPS

The work in the focus groups is starting to take good shape. We are still looking for more participants that can join in during the autumn – if you have a person you think are relevant for the work in the focus groups, please contact the respective contact person for the focus group.

Architecture for autonomous systems
Sagar Behere KTH/ITM, E-mail: behere@kth.se

R & D managers
Providing a networking group for R & D managers
Anders Eklund ICES, E-mail: anders.eklund@prevas.se

Testing of embedded systems
Karl Meinke KTH/CSC, E-mail: karlm@nada.kth.se

Safety
Focus on functional safety
Fredrik Asplund KTH/ITM, E-mail: fasplund@kth.se

Embedded realtime systems
Ingo Sander KTH/ICT, E-mail: ingo@kth.se

Wireless
Carlo Fischione KTH/EES, E-mail: carlofi@kth.se

➤ RECENT ICES EVENTS! (see [ICES Previous Events](#))

- 2014-07-01 [DANSE - Challenges in the Design of Systems of Systems](#)
- 2014-06-11 Focus group meeting – **Real-time systems** (Contact focus group responsible for more information)
- 2014-06-04 Focus group meeting – **Software testing** (Contact focus group responsible for more information)
- 2014-05-30 Focus group meeting – **Wireless** (Contact focus group responsible for more information)
- 2014-05-27 [Engineering Safe Vehicles - Scientific Paper Writing Workshop](#)
- 2014-05-26 [Engineering Safe Vehicles Workshop](#)
- 2014-05-22 [NoSE 2014 Nordic Systems Engineering Tour](#)
- 2014-05-21 [ICES Focus group R & D Managers meeting](#)
- 2014-05-20 [Multi-processor Systems on FPGA with hands-on tutorial](#)

➤ LAB INVENTORY

ICES will conduct a lab inventory of the different labs at KTH related to embedded systems, in order to find potential synergies and opportunities. For inclusion of your lab, please contact mariwa@kth.se.

➤ CONTACT US: We welcome your ideas and questions! Please e-mail: ices-admin@md.kth.se in the first instance.

With Best Wishes as Always!

P.S. We hope you won't, but if you would like to **UNSUBSCRIBE**, please e-mail us at: ices-admin@md.kth.se using “ICES Unsubscribe” in the subject line.