



KTH Innovative Centre for Embedded Systems

NEWSLETTER APRIL 2014

In May, ICES gives you the opportunity of taking a lab tour at KTH Campus in Stockholm. Three labs are included in this tour: Centre for Autonomous Systems, KTH Transport Labs and the Mechatronics Lab. In order not to miss out on this opportunity, seeing demonstrators and meeting researchers, we advise you to follow the link below to book your place since the event is limited to 40 people. We hope to see you there!

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

- ☒ **8 May:** ICES arranges a lab tour covering three of the labs at KTH Campus, Stockholm. Target audience is KTH staff, KTH students and ICES companies. The tour is limited to 40 people. For more info and to book your place: [KTH Lab Tour](#)
- ☒ **20 May:** In this seminar, the principles behind the ForSyDe Design flow will be presented, together with hands-on experience on using one of the target backends – the NoC System Generator (NSG). The seminar is limited to 32 people and also closed [❖]. More info and to book your seat: [Multi-Processor Systems on FPGA with hands-on tutorial](#)
- ☒ **21 May:** ICES focus group R & D Managers hosts a meeting including a presentation from Lars-Gunnar Hedström, head of Systems Development at Scania. More info: [R & D Managers](#)
- ☒ **22 May:** INCOSE (International Council on Systems Engineering) is planning a series of events (Nordic Systems Engineering Tour, NoSE 2014) taking place in Hamburg (20 May), Copenhagen (21 May), **Stockholm (22 May)** and Helsinki (23 May). The event in Stockholm will be held at KTH Campus, in collaboration with ICES, and is an all-day event open to everyone. For more info, fees and to register: [NoSE 2014](#)
- ☒ **26 May:** The ICES focus group SSRD invites you to attend a one-day workshop focusing on Engineering Safe Vehicles. Participants not connected to ICES membership companies will be charged a fee of 500 SEK each. This workshop is limited to 50 people. For more info: [ESV Workshop](#)
- ☒ **27-28 May:** Following up on the ICES SSRD Engineering Safe Vehicles Workshop there will be a Scientific Paper Writing Workshop, organized by the Mechatronics division at KTH Machine Design, on Tuesday 27 May and Wednesday 28 May. This workshop also has limited seating and is of interest if you want to work collaboratively to define and solve problems related to the workshop themes. For more info and to book your seat: [Scientific Paper Writing Workshop](#)

Note: Attendance at all ICES Seminars is free for KTH and personnel at the ICES Member Companies. Many of our events (including the Annual Conference) are open to everyone at no cost. For closed seminars [❖] non-members are also welcome, usually for a fee of 1 700 SEK. Alternatively, you can sign up as ICES members – Bronze membership costs 5 KSEK and includes 3 seats (see www.ices.kth.se for more information).

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

ICES focus group R & D Managers met on 5 March. Ulf Bengtzeliuss, R & D director at Atlas Copco, presented his ongoing work in transforming Atlas Copco development. Basing his work mainly on the customer value model, and making a clearer division between basic research and product projects, he had been working in the position for a year. There was a lot of interesting discussion on how to effectively and efficiently promote innovation within the development organization. Link: [R & D Managers](#)

ICES focus group testing of embedded systems held a meeting on 25 March at the CSC school, KTH. After the initial presentation, professor Karl Meinke gave an overview presentation of teaching and research on testing at KTH. This was followed by a vivid round table discussion about testing, discussing the current state of the practice in testing, methodological challenges such as the fact that testing is seen as a separate process from development, teaching on testing and challenges in recruiting test engineers, and the challenge that test code is commonly starting to outgrow the tested code in size. The next meeting will focus on research and to build a clear roadmap for further work within this group. Do you want to participate in the continued work? Contact Magnus Persson (magnper@md.kth.se) or Karl Meinke (karlm@nada.kth.se)

As of 31 March, Anders Eklund has left the role as co-director for ICES and is going back to his regular work at Prevas. – He has done a commendable job for ICES and contributed to ICES further development – we thank Anders and wish him well in his future endeavors, says Martin Törngren, ICES Director. Starting from 1 April, Dr. Magnus Persson will be taking over the role as interim co-director for ICES. Magnus graduated with a PhD from KTH during 2013 and is working part-time (ca 50%) with leading ICES during April, May and June, thus also taking over Anders' old responsibilities. His other time is spent working on architecture recovery and tool development at Scania within the ESPRESSO project.

➤ ICES RESEARCH

During 18-19 March, the ARTEMIS spring event was held in Amsterdam, discussing the development and future of ARTEMIS. The ARTEMIS Joint Technology Initiative, between EU, the member states and approximately 200 industry members in Artemis-IA, has been aiming to tackle the research and structural challenges in Embedded Systems in Europe. During this spring, ARTEMIS has planned to continue its efforts as the newly formed ECSEL JU, covering electronics in general. Ongoing work includes writing research agendas for relevant technology areas: Smart Systems Integration, Embedded Systems and Nanoelectronics. Current ARTEMIS projects will continually be supported by ECSEL. A new call is expected for June 2014 or soon after; funding 90 million Euros/call with a total funding of 630 million Euros. Links: [ARTEMIS Spring Event 2014](#) and [ECSEL Digital Agenda for Europe](#)

➤ **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.