



KTH Innovative Centre for Embedded Systems

NEWSLETTER May 2013

ICES new homepage opened on May 13 and is located at our normal web address <http://www.ices.kth.se>. It will facilitate our work with events since registration for events can be done directly on the web. All new material will be put on this page. During the summer our old homepage will still be available at <http://www.old.ices.kth.se> while we transfer presentations from old events to our new homepage. During the coming weeks we will send out information to all subscribers of our Newsletter with login information to our new web. You will need this login information to apply to our events. Your e-mail address will work as your username. We hope that you will find our new homepage informative and interesting. During this year you will see that we will continually expand our web pages. We welcome suggestions for improvements and contributions.

Please note the Safety Seminar in Västerås on 14 June. The registration for this event is still open! See below for more information.

We welcome new ICES participant Electrolux who joined the ICES network in April on Silver level.

➤ **FORTHCOMING ICES EVENTS!** (see the ICES Events Calendar: www.ices.kth.se under Events)

☒ **22 May:** Meeting of R&D managers at ICES companies. This is the second meeting of ICES R&D managers. The theme is focused on Innovation with a presentation by Professor Mats Magnusson of KTH. The meeting is solely for R&D managers in ICES companies.

☒ **14 June:** ICES Safety Seminar - Safety Issues with Automation. The event will be at ABB in Västerås. For registration please visit our site link: <http://www.ices.kth.se/events.aspx?pid=3&evtKeyId=8b2305339eef4d2f892d7e381f7eeb1a> [❖]

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 1700 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).

➤ **ICES RESEARCH**

☒ ICES have now concluded its participation in the work to produce an innovation and research agenda for the field of Information and Communication Technology. The agenda is named “Innovation enabled by Information and Communication Technologies” and has been developed in cooperation with several companies, institutes and universities. The agenda was handed in to Vinnova April 15 and was supplemented with a programme specification for Innovation Enablers by ICT detailing the suggested research programme.

☒ ICES are starting up two new focus groups for specialists, one on “Wireless” and the other on “SW verification”. The aim is to gather those with deep interest in the theme, initiate a first brain-storming meeting to elicit problems/topics of mutual interest and how the group can deal with them. This could include follow-up meetings, initiation of follow-up seminars, defining case studying and benchmarking exercises, initiating joint projects, producing material such as problem formulations and white papers, etc. The contact person for the group on “Wireless” is associate professor Carlo Fischione of the EES-school at KTH, e-mail carlofi@kth.se. The contact person for the group on “SW Verification” is Professor Karl Meinke of the CSC-school at KTH, e-mail karlm@nada.kth.se. Please get in touch with them before 10 June if you would like to participate in a first start-up meeting in their respective focus groups.

☒ April 25 Sagar Behere successfully defended his licentiate thesis with the title “Architecting Autonomous Automotive Systems”. He presents an original reference architecture for cooperative driving. The reference architecture demonstrates how a subsystem with specific autonomy features can be plugged into an existing E/E architecture, in order to realize autonomous driving capabilities. The complete thesis can be obtained on this link: <https://kth.box.com/shared/static/rv03szy3zdm9hh0qka8.pdf>

☒ ICES director Martin Törngren together with prof Karl-Henrik Johansson of the ACCESS-centre comment on the role of Cyber-physical systems in a recent article in Elektroniktidningen, see: http://www.etn.se/index.php?option=com_content&view=article&id=57551

➤ **ICES EDUCATION**

☒ ICES company presentations for KTH students are making a break during the spring and will be resumed during the autumn 2013.

☒ Professor Emeritus Harold “Bud” Lawson will give a course on Systems Thinking and its Application in Embedded Systems (7.5 hp credits) at Mälardalens högskola in Västerås in October. Deadline for Registration is September 17. For costs and other details please see: <http://www.mrtc.mdh.se/projects/itseasy/courses/>

☒ Summer schools open to Ph.D. students, Master students and industry engineers, please see the individual programs for details:
Summer School on Cyber-Physical Systems: <https://persyval-lab.org/summer-school/cps> Speakers include ICES director Martin Törngren, KTH
Summer school on Embedded systems: <http://artist-summer-school.epfl.ch/> Speakers include prof Karl-Henrik Johansson, KTH

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

With Best Wishes as Always!

PS We hope you won't, but if you would like to **UNSUBSCRIBE**, please email us at ices-admin@md.kth.se with “ICES Unsubscribe” in the subject line.