NEWSLETTER FEBRUARY 2013

KTH Innovative Centre for Embedded Systems

A new year means new challenges! The biggest change in the beginning of this year will apply to the ICES website. We are in the process of testing and finalizing a new webpage, in co-operation with Backspinn (http://www.backspinn.se), which among other things will involve that you can register as a user, sign up for newsletters, register for various events etc., directly on the website. Very soon we will start the move to the new page with all that implies regarding transfer of materials, texts, etc., and therefore apologize in advance if any problems should arise in this context.

➢ **FORTHCOMING ICES EVENTS!** (see the ICES Events Calendar: http://www.kth.se/en/itm/centra/ices/calender)

- **5 March**: Breakfast seminar: Research within Embedded Systems at KTH. Representatives of four different KTH-schools present the research carried out within the field of Embedded Systems. The event will be at KTH, Brinellvägen 83, level 2, room B242. Send an e-mail to: ices-admin@md.kth.se with "Research within Embedded Systems" in the header to register.

- **17 April:** The Swedish and German branches of INCOSE (International Council on Systems Engineering) are planning a series of events (Nordic Systems Engineering Tour) taking place in Hamburg (15 April), Copenhagen (16 April) and Stockholm (17 April). The purpose of these events is to promote Systems Engineering and also to strengthen the links between the chapters. The event in Stockholm will be held at KTH, Machine Design, Brinellvägen 83, level 2, room B242 and is an all-day event open for ICES member companies. Please send an e-mail to: info@nordic-systems-engineering-tour.com and you will be notified when the registration starts. [❖]

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).

➢ **RECENT ICES EVENTS!** (see ICES Previous Events: http://www.kth.se/en/itm/centra/ices/ices-events/previous-events)

- Ass. Prof Stavros Tripakis from UC Berkeley presented a talk on "Compositionality and modularity in embedded system design: interface synthesis and interface theories" 4 December and a talk on "Model-based design: semantics-preserving implementations of synchronous models" 5 December.

- "Systems Thinking and its Applications in Embedded Systems", an ICES graduate and professional development course which has been running during the autumn semester of 2012, completed its final project reports and presentations on 17 December. According to Professor Emeritus Harold "Bud" Lawson the course produced several interesting projects. Since the course evaluations also were quite positive, it might open up the possibility of a repetition in the near future.

- "Workshop on System Safety Possibilities and Challenges – WSSPC 2012" was held 18 December at KTH. The event aimed to share ideas on system safety and the concept of using a systems approach to handle risks and hazards to avoid mitigate accidents. Unfortunately the key-note speaker Nancy Leveson was unable to attend due to illness, but the morning seminar (and afternoon workshop!) went ahead as planned since it was possible for her to attend through a video link.

- A meeting with heads of R&D from ICES companies was held 29 January at KTH. Focus was to get to know each other and establish a network. Part of the meeting was devoted to discussing ICES contribution in establishing strategic innovation and research agendas in the field of software development and Information and Communication Technology. A new meeting is planned for May.

➢ **ICES RESEARCH**

"ICES Focus group on Realtime Embedded Systems" is now up-and-running under the leadership of associate professor Ingo Sander. If you are interested in joining the group, please contact ingo@kth.se.

"The Security, Safety, Robustness and Diagnostics Focus Group" is looking into which relevant courses that Universities across Sweden offer, with an idea to work towards closing gaps. If you have an idea for a course within the areas of Security, Safety, Robustness or Diagnostics which you think is missing today, please send an email to us (fasplund@kth.se) and we will keep it in mind during this work.

ICES now have a working group involved with developing an agenda for Vinnova´s "Strategic Research and Innovation within Cyber Physical Systems" effort. Gold and Silver member companies have the opportunity to help shape and influencing the scope. More information will appear in the new website.

➢ **ICES EDUCATION**

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

KTH Education will be giving a course, "Fault-tolerant Embedded Systems", during the period 14-15 May and 13-14 June 2013 (4 days in total). The course is suitable for system architects, engineering designers of electrical/electronic components, software architects, embedded systems engineers and verification engineers working with safety-critical and high-quality systems. Please note that participants from ICES Member-companies will receive a 10 percent discount on the course fee. Link to course information: http://www.edab.kth.se/oppen-utbildning/fault-tolerant-embedded-systems-1.66892

➢ **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.