# EVENTS THAT CHANGED THE IT WORLD
## LINKÖPING 8 JUNE

Science Park Mjärdevi, SICS East and Swedsoft hereby invite you to a "not to be missed" seminar about the past and future of computer science.

Opening with the computer pioneer Harold "Bud" Lawson. Bud has an impressive track record in the history of IT including working with Grace Hopper, who as you know invented the word "bug". His professional achievements also lists creating the pointer variable among other things. Bud Lawson will highlight what he thinks history can teach us when we are looking ahead into the future.

Continuing with Andrei Gurtov, who will give us his view on the Computer Science research today and in the future. Andrei is Associate Professor at Linköping University, Sweden. He is also adjunct professor at Aalto University, University of Helsinki and University of Oulu. After these inspiring presentations we will finish off with a Q&A and debate session were you will get the opportunity to get interactive with our guests.

We think that this can be valuable for everyone with interest in the global trend Digitalization: with all its promises and threats...

## Agenda

13:00 - Registration & coffee

13:15 - Welcome and introduction

13:30 - **Experiences and Reflections of a Computer and Systems Engineering Pioneer**, Harold "Bud" Lawson

15:30 - Coffee

15:45 - **Identity-Defined Networking: The Last Chance for Humans vs. Things?**, Andrei Gurtov

16:30-17:00 - Q&A with Harold "Bud" Lawson and Andrei Gurtov

## Practical information

**When:** Thursday, June 8, 13:00-17:00

**Where:** CreActive, Science Park Mjärdevi, Linköping

**Registration:** Lastest June 1 at bit.ly/events-changed-it

Read more at swedsoft.se/event/events-changed-world

### Harold Lawson

Harold "Bud" Lawson has been a leading pioneer in the computing and systems arenas. In this seminar he will share some of the significant highlights of his long career in the development and usage of computer technology including revealing several surprising details "behind the scenes events" in the development of computing technology and the computer industry.

His experiences and reflections have been published in a chapter of the book Reflections on the History of Computing: Preserving Memories and Sharing Stories. Bud Lawson has lived and worked in Sweden for over 46 years where he has made several significant contributions to the industrial, military and academic sectors. His professional career began in 1959 under the leadership of the legendary Rear Admiral Dr. Grace Murray Hopper at Remington Rand Univac in Philadelphia. During his long career he participated in several pioneering developments in software, hardware, computer based systems and international standards. For his invention of the pointer variable concept in programming languages he was awarded the prestigious IEEE Charles Babbage Computer Pioneer award in 2000. He has also recieved the INCOSE System Engineering Pioneer award in 2016 for his life long contributions to the unification of Software and Systems Engineering.

### Andrei Gurtov

Andrei Gurtov received his M.Sc (2000) and Ph.D. (2004) degrees in Computer Science from the University of Helsinki, Finland. He is presently an Associate Professor in Linköping University, Sweden. He is also an adjunct professor at Aalto University, University of Helsinki and University of Oulu. He visited the International Computer Science Institute (ICSI) in Berkeley multiple times. He is an ACM Distinguished Scientist, IEEE ComSoc Distinguished Lecturer and Vice Chair of IEEE Finland section. Andrei co-authored about 200 publications, including 4 books, 5 IETF RFCs, 6 IPRs, over 50 journal and 100 conference articles.

His standard-track RFCs are implemented by nearly all TCP/IP hosts. He co-chaired the Host Identity Protocol (HIP) Research Group at the Internet Research Task Force in 2006-2010. He supervised 12 PhD theses, serves as an editor of IEEE Internet of Things journal. According to ResearchGate, in winter 2017 Andrei was the most read and most cited researcher at IDA.

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