

SPEAKERS

Ilja Belov

Jönköping University

Ilja Belov, is assistant professor at Dept. of Mechanical Engineering at the School of Engineering, Jönköping University. He received PhD in physics and mathematics from Institute for Mathematical Modeling (Russian Academy of Sciences, Moscow 2000). He joined Jönköping University in 2000, and has been working as specialist in design methods for robust electronics with the focus on computational fluid dynamics and thermo-mechanical modeling.

Björn Bergkvist

Volvo Cars

Arbetar med EMC och RF-kommunikation på Volvo Personvagnar och har lång erfarenhet av praktisk EMC provning och projektansvar för EMC i bilprojekten. Björn arbetar även med att undervisa i Sex Sigma och Design för Sex Sigma. Idag arbetar Björn huvudsakligen med tidiga konceptutvecklings- och forskningsprojekt.

Mats Bäckström

Saab Aeronautics

Mats Bäckström is Technical Fellow in Electromagnetic Effects at Saab Aeronautics. He is also Adjunct Professor at Royal Institute of Technology (KTH), division of Electromagnetic Engineering (ETK) in Stockholm (20% duty). He was Research Director in Electromagnetic Effects at the Swedish Defence Research Agency, FOI during 1994-2006, and Head of the Electromagnetic Effects Group at Saab Aircraft 1988-1994. He is the author or co-author of more than 190 scientific publications. Dr. Bäckström was chairman of the Swedish URSI Committee, Commission E, Electromagnetic Noise and Interference during 2000-2014, and Deputy Chairman of the Swedish URSI Committee during 2005-2014. He was in January 2015 appointed honorary member of the Swedish URSI Committee. He is co-chairman of the URSI working group on Intentional Electromagnetic Interference. He has been recognized as an EMP Fellow by the U.S. Summa Foundation. In 2004 he received the Certificate of Acknowledgment from the IEEE Electromagnetic Compatibility Society. He has been recognized as the 2011 recipient of the IEC 1906 Award.

Jan Carlsson

SP Sveriges Tekniska Forskningsinstitut

Jan är Tekn. Dr. inom EMC-området och adjungerad professor i elektromagnetisk beräkningsmetodik vid Chalmers, men har också omfattande erfarenhet från provning. Jan Carlsson har själv utvecklat ett antal program för simulering av EMC-egenskaper hos bl a kretskort och kablage.

Karin Davidsson

SP Sveriges Tekniska Forskningsinstitut

Karin Davidsson är forskningsledare för Batteri- och Hybridsystem på SP Sveriges Tekniska Forskningsinstitut i Borås. Hon har tidigare arbetat som teknikansvarig och gruppchef för alternativa drivlinor och bränslen på Semcon. Dessförinnan arbetade Karin som teknikansvarig och gruppchef för hybridfordon på Caran. Karin är doktor i industriell elektroteknik, med inriktning mot elhybridfordon, från Lunds Tekniska Högskola.

Patrik Eliardsson

FOI

Patrik Eliardsson is a Scientist at the Department of Robust Telecommunications at FOI (Swedish Defence Research Agency) since 2009. He has a M.Sc. in Computer Sciences and Engineering from the Institute of Technology at Linköping University. Patrik's research interests includes: RF-measurements, interference detection, dynamic spectrum access and software development.

Tomas Hurtig

FOI

Tomas received his M.Sc. in electrical engineering and the Ph.D in plasma physics from The Royal Institute of Technology in Stockholm, Sweden in 1997 and 2004, respectively. He first joined FOI in 1997 working on High Power Microwaves and different aspects of pulsed power applica-

tions. Presently Tomas is the project manager for "High Power Micro-waves Vulnerability analysis", funded by the Swedish Armed forces. He is also group leader for the "Electrophysics group" at FOI. Tomas work on HPM has involved many different aspects such as research, design, testing and evaluation of HPM-sources and development of methods for HPM-susceptibility testing. Apart from his work on HPM Tomas is also involved in research concerning Plasma Assisted Combustion and Plasma Chemistry.

Ingvar Karlsson

Ericsson

Ingvar has worked with hardware design in 38 years. 25 years of these are at Ericsson AB. In the last 18 years Ingvar has worked with design support within EMC and signal integrity. He is a senior specialist in EMC and signal integrity at Ericsson. Ingvar gives courses in EMC and signal integrity. He has also developed analyze and simulation tools, as a complement to existing commercial tools.

Niklas Karpe

Scania

Niklas Karpe was born in Stockholm, Sweden, in 1962. He received the M.Sc. and Ph.D. degrees in Engineering Physics and Solid State Physics from the Royal Institute of Technology (KTH), Stockholm, in 1985 and 1990, respectively. After a post-doc at Aarhus University (1990-91), Denmark, he joined the Physics Department at KTH as lecturer and researcher (1991-95). From 1995 to 2001, he worked at Electrolux as a senior project manager of R&D projects and from 2001 to 2003 at Zarlink Semiconductor as senior materials R&D Engineer. In 2003, he joined Scania where he was head of a group engaged with development and testing of electrical components for automotive applications. He is presently heading a section responsible for electronics hardware and platform software development for powertrain control.

Krister Kilbrandt

SP Sveriges Tekniska Forskningsinstitut

Krister är Gruppchef för EMC-Fordon på SP:s elektronik enhet. En grupp som arbetar inom EMC-produktområdet för helfordon av alla de slag, fordonskomponenter, militära system och dylikt. Han har arbetat med EMC sedan anställningen på SP 1995. 1998 blev han teknikområdesansvarig för Fordons EMC. Han har fleråriga erfarenheter av Radio och Telekom sidan från tidigare anställningar. Krister är engagerad som Svensk representant inom ISO standardiseringen som berör EMC för Fordon och Fordonskomponenter. En stor utmaning är utvecklingen av nya provmetoder och EMC-standardisering för alla nya system i el och hybridfordon. I övrigt har han mycket kundkontakter och supportar teknikfrågor internt och externt.

Gunnar Kjell

SP Sveriges Tekniska Forskningsinstitut

Gunnar Kjell arbetar sedan många år på det mekaniska laboratoriet på SP – Sveriges Tekniska Forskningsinstitut i Borås med mätning, analys och provning inom områdena utmattning och vibration. Bland arbetsuppgifterna finns även forskning inom dessa områden. Gunnar Kjell var en av medförfattarna till den Handbok i miljötålighetsteknik som SEES, Svenska föreningen för miljötålighetsteknik har gett ut. Han är aktiv inom SEES och sitter med i styrelsen. Under många år har han haft ansvar för den kurs i miljötålighetsteknik som SEES och SP gemensamt ger.

Roger Källberg

Intertek Sverige

Roger Källberg har en bakgrund sedan 11 år på Intertek, han ansvarar idag för affärsenheten som utför Miljötålighetsprovning samt en av affärsenheterna som utför EMC provning hos Intertek i Kista. Utöver detta innehar Roger rollen som ordförande i SEES (Swedish Environmental Engineering Society) och representerar genom sitt arbete där även Sverige inom CEEES (Confederation of European Environmental Engineering Societies).

Bing Li**Royal Institute of Technology, Stockholm**

Bing Li was born in China. She received the Master degree in Electrical Engineering in 2013 from Harbin Institute of Technology, Harbin, China. She is currently working toward the Ph.D. degree in Electromagnetic Engineering at KTH Royal Institute of Technology, Stockholm, Sweden. Her current research interest is intentional electromagnetic interference to civilian facility and systems.

Sara Linder**Department of Robust Telecommunications**

Sara Linder works as a senior scientist at the Department of Robust Telecommunications at the Swedish Defense Research Agency. She has a M.Sc. in computer science and engineering from Linköping University of Technology, and her main research interests are within intersystem interference, multiple-input multiple-output (MIMO), and channel modeling for wireless communications.

Mats Lindgren**SP Sveriges Tekniska Forskningsinstitut**

Mats Lindgren, sektionschef miljöförlighet elektronik på SP, arbetar dagligen med kvalificering av elektronikprodukter. Temat för hans avhandling är användning av simulering som hjälpmedel för kvalificering av produkter i utvecklingsprocessen. Han har arbetat med området tillförlitlighet av elektronik sedan 1995 både industriellt och på forskningsinstitut. På Kitron AB ansvarade han för kvalitetsanalyslaboratoriet och senare även avdelningen för industrialisering och produktionsteknik. På IVF arbetade Mats med utvärdering av nya mönsterkort och produktionsprocesser.

Michel Mardiguian

Michel Mardiguian, IEEE Senior Member, graduated electrical engineer BSEE, MSEE, born in Paris, 1941. After military service in the French Air Force, worked for Dassault Aviation, 1965 to 1968. Moved to the IBM R&D Laboratory near Nice, France, working in the packaging of modems and digital PABXs. Started his EMC career in 1974 as the local IBM EMC specialist, having close ties with his US counterparts at IBM/Kingston, USA. From 1976 to -80, he was also the French delegate to the CISPR Working Group on computer RFI, participating to what became CISPR 22, the root document for FCC 15-J and European EN55022. In 1980, he joined Don White Consultants (later re-named ICT) in Gainesville, Virginia, USA, becoming Director of Training, then VP Engineering. He developed the market of EMC seminars, teaching himself more than 160 classes in the US and worldwide. Established since 1990 as a private consultant in France, teaching EMI, RFI, and ESD classes and working on consulting tasks from EMC design to firefighting. One top involvement has been the EMC of the Channel Tunnel, with his British colleagues of Interference Technology International. He has authored 8 widely sold handbooks, two of them being translated in Japanese and Chinese, plus two books co-authored with Don White. He has presented 28 papers at IEEE and Zurich EMC Symposia, and various conferences, and authored 23 articles in technical magazines. Michel is also a semi-professional musician, bandleader of the CLARINET UNLIMITED Jazz Group.

Jussi Myllyluoma

A specialist in cutting edge technology and innovation, Jussi Myllyluoma has more than fifteen years' experience as solutions provider to the electronics industry. Having had the honour of working with some of the world's foremost technology developing companies as either customers or suppliers, this collaboration has resulted in a number of unique solutions; including patented innovations that have the potential of becoming true game changers on tomorrow's battlefield. Frequently asked for as teacher and instructor to executives and engineers at all levels and as speaker at industry conferences and seminars, Jussi's name is also seen as author and co-author of technical articles published in industry journals.

Daniel Månsson**Kungliga Tekniska högskolan**

Daniel Månsson erhöll civilingenjörsexamen i Teknisk fysik med inriktning mot Elektroteknik från Uppsala universitet, 2004 och erhöll 2008, också från Uppsala universitet, teknologie doktorsexamen i Teknisk fysik med inriktning mot Elektricitetslära. Numera anställd som bitr. lektor vid Avdelningen för Elektroteknisk teori och konstruktion vid

Kungliga Tekniska Högskolan (KTH). Forskningsintressen innefattar systemkomponenter i smarta elnät, energilagring, avsiktliga elektromagnetiska störningar, skydd mot högeffektiva elektromagnetiska (HPEM) pulser, propagering av transiter i galvaniska nätverk, samt analys och klassificering av system och fastigheter m a p avsiktliga elektromagnetiska störningar.

Ulf Nilsson

In short: EMC consultant and instructor, IEEE senior EMC engineer, NARTE certified EMC-engineer, EMC editor, retired. After military service in the Swedish navy as telecommunications technician Ulf was employed by Ericsson Microwave in Mölndal, Sweden, between 1964 and 1983. At Ericsson he was a full time EMC engineer between 1968 and 1983. Between 1983 and 1984 he was working as EMC consulting coordinator and short courses instructor at ICT, Virginia, USA. 1984 he returned to Sweden and started EMC Services in Gothenburg, which later moved to Mölndal. The year 2000 SAAB bought EMC Services and Ulf was employed some years before he retired. At EMC Services Ulf was, besides running the company, investing in course materials for several different EMC courses and working as EMC consultant. Ulf has participated in several EMC symposiums as speaker and delegate in Europe and USA and participated in the start-up of the Electronic Environment Conference. He was also one of the authors of the Swedish Defense's EMMA EMC handbook. During the time with ICT and EMC Services he was instructor for hundreds of short EMC courses in USA, Israel and Europe. EMC Magazine, later the magazine Electronic Environment, was one of his ways to spread the EMC message by being the EMC editor for the magazine.

Sven-Erik Sjöström**EMC Services**

Sven-Erik Sjöström has a Master of Science of Electro Engineering at Chalmers University of Technology, he works as a EMC engineer for the last 3 years. The work has done has been with EMC design, solving EMC problem and do EMC testing on both hardware or the whole product. When Sven-Erik start his career he started as an hardware and software designer at Ericsson Microwave System. The work was to design Printed Circuit Board and to design the software that the hardware were using. But he has also design normal software program that use PC environment and the net. The work giving him a knowledge on the problem a hardware and software designers can experience. He has also work as a project manager for a couple of years before he starts to work as a EMC engineer this gives him a understanding about the development processes for a product and the problem that a project manager have to handle. Sven-Erik is married, has two children and is living near Mölndal Sweden. His recreational interests includes traveling, skiing.

Bengt Vallhagen**SAAB**

Bengt has studied mathematics, physics and pedagogics at Linköping University, and was hired in 1997 as test engineer at Saab's EMC department in Linköping. With an interruption during the 00's – when he focused on youth education – he has mainly worked with testing and development of methods for complete aircraft testing.

Per Ängskog**Högskolan i Gävle och Kungl. tekn. Högskolan**

Per Ängskog är Tekn. Magister med inriktning mot telekommunikation från Högskolan i Gävle (HiG). Mellan 1987 och 2000 arbetade han vid Ericsson Radar Electronics och Ericsson Radio Systems bland annat med utveckling av mätsystem för provning av sändare och mottagare avsedda för mobiltelefonisystem. Till Högskolan i Gävle kom han år 2000. Vid HiG undervisar han bland annat i Wireless Sensor Networks och RF Measurement Technology. Han ger även kurser i RF Mätteknik och Mikrovågskomponenter som uppdragsutbildning. Sedan 2013 är han deltidsanställd på KTH som doktorand med inriktning "skydd mot avsiktliga elektromagnetiska störningar".