

List peer-reviewed conference papers 2013

*) Co-publication academy - industry

Authors	Title of paper	Name of conference	Location of conference	Year
Amy Rankin; Rogier Woltjer; Joris Field; David Woods	"Staying ahead of the aircraft " and Managing Surprise in Modern Airlines	5th Resilience Engineering Symposium	Soesterberg, Netherland	2013
Ali Fazli Yeknami; Atila Alvandpour	A 0.7-V 400-nW Fourth-Order Active-Passive Delta-Sigma Modulator with One Active Stage	IFIP/IEEE 21st International Conference on Very Large Scale Integration (VLSI-SoC)	Istanbul, Turkey	2013
Kayvan Yosefi Mojir; Sofie Pilemalm	A Framework for "New Actors" in Emergency Response Systems	ISCRAM 2013	Baden-Baden, Germany	2013
Hanna Nyqvist; Fredrik Gustafsson	A High-Performance Tracking System based on Camera and IMU	16th International Conference on Information Fusion	Istanbul, Turkey	2013
Kia Wiklundh; Karina Fors; Peter Stenumgaard	A measurements method of interfering signals to determine the radio communication performance.	EMC Europe 2013, Brugge, Belgium, 2013-09-02 - 2013-09-06	Brugge, B	2013
Philipp Koschorrek; Tommaso Piccini; Per Öberg; Michael Felsberg; Lars Nielsen; Rudolf Mester	A multi-sensor traffic scene dataset with omnidirectional video	Computer Vision and Pattern Recognition Workshops (CVPRW), 2013	Portland, USA	2013
Teodor Sommestad; Jonas Hallberg	A review of the theory of planned behaviour in the context of information security policy compliance.	International Information Security and Privacy Conference	Auckland,NZ	2013
Tony Pellikka; Jan Svedin; Hans Grönqvist	A waveguide to microstrip transition design using LTC at millimetre-wave frequencies	10th Int. conf. on Multi-Material Micro Manufacture (4M2012)	Wien, A	2012 *)
David Lindgren; Mehmet B. Guldogan; Fredrik Gustafsson; Hans Habberstad; Gustaf Hendeby	Acoustic Source Localization in a Network of Doppler Shift Sensors	16th International Conference on Information Fusion	Istanbul, Turkey	2013
Maria Andersson; Luis Patino; Gertjan J Burghouts; Adam Flizkowski; Murray Evans; David Gustafsson; Henrik Petersson; Klamer Schutte; James Ferryman	Activity recognition and localization on a truck parking lot	10th IEEE Int. conf. on advanced video and signal-based surveillance (AVSS 2013)	Krakow, P	2013 *)
Liam Ellis; Nicolas Pugeault; Kristoffer Öfjäll; Johan Hedborg; Richard Bowden; Michael Felsberg	Autonomous Navigation and Sign Detector Learning	IEEE Workshop on Robot Vision(WORV) 2013	Clearwater, FL, USA	2013
Chaitanya Tumula V. K.; Erik G. Larsson	Bits-to-Symbol Mappings for Superposition Coding Based HARQ Systems	IEEE Wireless Communications and Networking Conference (WCNC)	Shanghai, China	2013
Peter Stenumgaard; José Chilo; Javier Ferrer-Coll; Per Ångskog	Challenges and Conditions for Wireless Machine-to-Machine (M2M) Communications.	Electronic Environment	Stockholm, S	2013 *)
J. Rydell; E. Emilsson	Chameleon v2: Improved imaging-inertial indoor navigation	Chameleon v2: Improved imaging-inertial indoor navigation	Nashville, USA	2013
Patrik Eliardsson; Gunnar Eriksson; Mats Forsman; Peter Holm; Peter Johansson; Sara Linder; Tore Lindgren; Kia Wiklundh	Channel Model and OFDM Design for Aeronautical Applications.	EUCAP 2013	Gothenburg, S	2013 *)
Mikael Nilsson; Jonas Kvarnström; Patrick Doherty	Classical Dynamic Controllability Revisited: A Tighter Bound on the Classical Algorithm	International Conference on Agents and Artificial Intelligence (ICAART)	Barcelona, Spain	2013
Freddie Åström; Vasileios Zografos; Michael Felsberg	Density Driven Diffusion	18th Scandinavian Conferences on Image Analysis, 2013	Espoo, Helsinki	2013
Maryam Sadeghi Reineh; Martin Enqvist; Fredrik Gustafsson	Detection of Roof Load for Automotive Safety Systems	52nd IEEE Conference on Decision and Control	Firenze, Italy	2013
Tobias Andersson Granberg; Ander Oquillas Munoz	Developing key performance indicators for airports	Workshop on ATM/CNS	Tokyo, Japan	2013
George Mathai; A. Jakobsson; Fredrik Gustafsson	DIRECTION OF ARRIVAL ESTIMATION OF UNKNOWN NUMBER OF WIDEBAND SIGNALS IN UNATTENDED GROUND SENSOR NETWORKS	16th International Conference on Information Fusion	Istanbul, Turkey	2013
J.-E. Holmberg; I. Karanta; T. Silvonon; I. Niemelä	Dynamic PSA methods for analysing complex accident scenarios	Nordic PSA Conference – Castle Meeting 2013	Saltsjöbaden, Sweden	2013
Bertil Grelsson; Michael Felsberg; Folke Isaksson	Efficient 7D Aerial Pose Estimation	IEEE Workshop on Robot Vision(WORV) 2013	Clearwater Beach, USA	2013
Alina N. Sekretaryova; Mikhail Yu. Vagin; Mats Eriksson; Arkady A. Karyakin; Anthony P. F. Turner	Electrochemical sensing platform based on sol-gel/phenothiazine/enzyme composite films	Advanced Materials world congress, 16-19 September	Izmir, Turkey	2013
Peter Stenumgaard; Karina Fors; Kia Wiklundh; Sara Linder; Leif Junholm	Electromagnetic Interference on Tactical Radio Systems from Co-located Medical Equipment.	Electronic Environment	Stockholm, S	2013 *)
Ekhlot Jon Vergara Alonso; Simin Nadjm-Tehrani	EnergyBox: A Trace-driven Tool for Data Transmission Energy Consumption Studies	EE-LSDS 2013, Energy Efficiency in Large Scale Distributed Systems	Vienna, Austria	2013
Michael Felsberg	Enhanced Distribution Field Tracking using Channel Representations	14th International Conference on Computer Vision (ICCV2013)	Sydney, Australia	2013
G. Becker; K. Bladh; J-E. Holmberg; G. Johanson; A. Karlsson; A. Olsson; L. Tunturivuori	EXAM-HRA - Evaluation of existing applications and guidance on methods for human reliability analysis	Enlarged Halden Programme Group Meeting, EHPG-2013	Gol, Norway	2013
Håkan Warnquist; Jonas Kvarnström; Patrick Doherty	Exploiting Fully Observable and Deterministic Structures in Goal POMDPs	23rd International Conference on Automated Planning and Scheduling (ICAPS)	Rome, Italy	2013

Andreas Kolling; Alexander Kleiner; Piotr Rudol	Fast Guaranteed Search With Unmanned Aerial Vehicles	IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS 2013)	Tokyo, Japan	2013
Johan Hedborg; Michael Felsberg	Fast Iterative Five point Relative Pose Estimation	IEEE Workshop on Robot Vision(WORV) 2013	Clearwater Beach, USA	2013
Robert Malmqvist	GaAs/SiGe RF-MEMS and MMIC based front-end circuits for W-band passive imaging application (workshop presentation)	European microwave integrated circuits (EuMIC 2013), workshop proceedings	Nürnberg, D	2013
J-E. Holmberg; S. Guerra; N. Thuy; J. März; B. Liwång	HARMONICS - EU FP7 project on the reliability assessment of modern nuclear I&C software	Enlarged Halden Programme Group Meeting, EHPG-2013	Gol, Norway	2013
G. Becker; J. Böhm; G. Johanson; A. Karlsson; A Olsson; J-E. Holmberg	How they do it elsewhere. A review of EXAM-HRA results against the HRA approach in the Swiss Mühleberg NPP	Nordic PSA Conference – Castle Meeting 2013	Saltsjöbaden, Sweden	2013
David D Woods; Ivonne Herrera; Matthieu Branlat; Rogier Woltjer	Identifying imbalances in a portfolio of safety metrics: The Q4-balance framework for economy-safety tradeoffs.	5th Symp. on Resilience Engineering	Soesterberg, NL	2013 *)
Chaitanya Tumula; Erik G. Larsson	Improving 3GPP-LTE Uplink Control Signaling by Repetition Across Frequency Bands	IEEE International Conference on Communications (ICC)	Istanbul, Turkey	2013
Mikael Nilsson; Jonas Kvarnström; Patrick Doherty	Incremental Dynamic Controllability Revisited	23rd International Conference on Automated Planning and Scheduling (ICAPS)	Rome, Italy	2013
Jan Stake	Integrated diode technology for THz applications	SPIE	San Diego	2013
Erik Axell; Fredrik Marsten Eklöf; Peter Johansson; Mikael Alexandersson; Dennis Akos	Jamming Detection in GNSS Receivers: Performance Evaluation of Field Trials	ION GNSS	Nashville, USA	2013
Ekhioz Jon Vergara Alonso; Joseba Sanjuan; Simin Nadjm-Tehrani	Kernel Level Energy-Efficient 3G Background Traffic Shaper for Android Smartphones	9th International Wireless Communications and Mobile Computing Conference (IWCMC)	Cagliari, Sardinia, Italy	2013
Joel Brynielsson; Fredrik Johansson; Anders Westling	Learning to Classify Emotional Content in Crisis-Related Tweets.	2013 IEEE International Conference on Intelligence and Security Informatics, Seattle, USA, 2013-06-04 - 2013-06-07, s.33-38	Seattle, USA	2013
Manon Kok; Niklas Wahlström; Thomas Schön; Fredrik Gustafsson	MEMS-based inertial navigation based on a magnetic field map	38th International Conference on Acoustics, Speech, and Signal Processing (ICASSP)	Vancouver, Canada	2013
Sofie Pilemalm; Dennis Andersson; Kayvan Yousefi Mojir	Migration of legacy systems - the Swedish rescue services incident reporting system	ACIS 2013, 24th Australasian conf. on informations systems	Melbourn, Aus	2013 *)
Ekhioz Jon Vergara Alonso; Mihails Prihodko; Simin Nadjm-Tehrani	Mobile Location Sharing: An Energy Consumption Study	4th International Conference on Future Energy Systems	Berkeley, CA	2013
Himal A. Suraweera; Hien Quoc Ngo; Trung Q. Duong; Chau Yuen; Erik G. Larsson	Multi-Pair Amplify-and-Forward Relaying with Very Large Antenna Arrays	IEEE International Conference on Communicatons (ICC)	Istanbul, Turkey	2013
Saikat Saha; Gustaf Hendeby; Fredrik Gustafsson	Noise Adaptive Particle Filtering: A Hierarchical Perspective	ISBA Regional Meeting	Varanasi, India	2013
S. Authén; J-E Holmberg	Nordic experience and experiments of modelling digital I&C systems in PSA	ANS PSA 2013 International Topical Meeting on Probabilistic Safety Assessment and Analysis	Columbia, South Carolina, USA	2013
S. Authén; J. Gustafsson; J-E. Holmberg	Nordic experience and experiments of modelling digital I&C systems in PSA	Nordic PSA Conference – Castle Meeting 2013	Saltsjöbaden, Sweden	2013
S. Authén; J-E. Holmberg	NPSAG/SAFIR/NKS project DIGREL — Digital I&C reliability	Nordic PSA Conference – Castle Meeting 2013	Saltsjöbaden, Sweden	2013
Svante Björklund; Henrik Petersson; Gustaf Hendeby	On distinguishing between Human Individuals in Micro-Doppler signatures	IRS Int. Radar Symp. 2013	Dresden, D	2013
Rajeev Gangula; David Gesbert; Johannes Lindblom; Erik G. Larsson	On the Value of Spectrum Sharing among Operators in Multicell Networks	77th IEEE Vehicular Technology Conference (VTC13)	Dresden, Germany	2013
Viktor Edman; Andersson Maria; Karl Granström; Fredrik Gustafsson;	Pedestrian Group Tracking Using the GM-PHD Filter	European Signal Processing Conference	Marrakech, Morocco	2013
Gianpaolo Conte; Alexander Kleiner; Piotr Rudol; Karol Korwel; Mariusz Wzorek; Patrick Doherty;	Performance evaluation of a light weight multi-echo LIDAR for unmanned rotorcraft applications	International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences	Rostock, Germany	2013
J-E Holmberg; K. Hukki; I. Karanta; T. Silvonen; A. Toppila	PRA development and application (PRADA)	SAFIR2014. The Finnish Research Programme on Nuclear Power Plant Safety 2011–2014	Espoo, Finland	2013
Toomas Timpka; Elin A Gursky; Armin Spreco; Olle Eriksson; Örjan Dahlström; Magnus Strömgren; Einar Holm; Joakim Ekberg; Jorma Hinkula; Jim M Nyce; Henrik Eriksson	Predictive value of telenursing complaints in influenza surveillance: a prospective cohort study in Sweden	18th World Congress on Disaster and Emergency Medicine (WCDEM)	Manchester, UK	2013
Bertil Grelsson; Michael Felsberg	Probabilistic Hough Voting for Attitude Estimation from Aerial Fisheye Images	18th Scandinavian Conferences on Image Analysis, 2013	Espoo, Helsinki	2013
Kristoffer Öfjäll; Felsberg Michael	Rapid Explorative Direct Inverse Kinematics Learning of Relevant Locations for Active Vision	IEEE Workshop on Robot Vision(WORV) 2013	Clearwater, FL, USA	2013
Dennis Andersson; Mirko Thorstensson	Reconstruction and exploration: Applications in criminology	IEEE European intelligence and security conf.(EISIC 2013)	Uppsala, S	2013
Rogier Woltjer; Jonas Hermelin; Ella Pinska-Chauvin; Tom Laursen; Billy Josefsson	Resilience in ATM operations: Incorporating robustness and resilience in safety assessment.	5th Symp. on Resilience Engineering, Soesterberg	Soesterberg, NL	2013 *)

Robert Malmqvist; Rolf Johnsson; Carl Samuelsson; Andreas Gustafsson; S Reyaz; D Dancila; A Rydberg; B Grandchamp; S Seok; M Fryziel; P-A Rolland; P Rantakari; M Lahti; T Vähä-Heikkilä; R Baggen	RF-MEMS reconfigurable GaAs MMICs and antennas for microwave/MM-wave applications.	Int. semiconductor conf., Sinaia, Rumänien, 2013-10-14 - 2013-10-16, s.83-88	Sinaia, R	2013	*)
Patrick Doherty; Fredrik Heintz; Jonas Kvarnström	Robotics, Temporal Logic and Stream Reasoning	Logic for Programming Artificial Intelligence and Reasoning (LPAR), 2013	Stellenbosch, South Africa	2013	
Rolf Johnsson; Carl Samuelsson; S Reyaz; Robert Malmqvist; Andreas Gustafsson; M Kaynak; A Rydberg	SiGe wideband power detector and IF-amplifier RFICs for W-band passive imaging systems.	Int. semiconductor conf.	Sinaia, R	2013	*)
Vladimir Savic; Henk Wymeersch; Erik G. Larsson	Simultaneous Sensor Localization and Target Tracking in Mine Tunnels	IEEE International Conference on Information Fusion	Istanbul, Turkey	2013	
Marek Syltatk; Fredrik Gustafsson	Simultaneous Tracking and Sparse Calibration in Ground Sensor Networks using Evidence Approximation	38th International Conference on Acoustics, Speech, and Signal Processing (ICASSP),	Vancouver, Canada	2013	
Kaibin Huang; Erik G. Larsson	Simultaneous information-and-power transfer for broadband downlink systems	ICASSP 2013	Vancouver, Canada	2013	
Ida Johansson; Ema Ceco; Anneli Ehlerding; Henric Östmark	Stand-off detection of explosives vapors by resonance-enhanced Raman spectroscopy.	SPIE Defence, Security and Sensing	Baltimore, USA	2013	
Maria Vasilevskaya; Simin Nadjm-Tehrani	Support for Cross-domain Composition of Embedded Systems Using MARTE Models	CRTS 2013	Vancouver, Canada	2013	
Freddie Åström; Michael Felsberg; George Baravdish; Claes Lundström	Targeted Iterative Filtering	Fourth International Conference on Scale Space and Variational Methods in Computer Vision (SSVM 2013)	Schloss Seggau, Graz region, Austria	2013	
V. Drakinskiy; P. Sobis; H. Zhao; T. Bryllert; J. Stake	Terahertz GaAs Schottky diode mixer and multiplier MICs based on e-beam technology	25th International Conference on Indium Phosphide and Related Materials,	Kobe, Japan,	2013	
Lauri Lötjönen; Jukka Ranta; Jussi Lahtinen; Janne Valkonen; Jan-Erik Holmberg	Use of Field-Programmable Gate Arrays in Nuclear I&C Safety Systems - Case Stepwise Shutdown System Proceedings of the AutomaatioXX seminar. , May 22, 2013, , Publication series of FSA No. 42. 6 p.	Finnish Society of Automation	Helsinki, Finland	2013	
Joel Brynielsson; Fredrik Johansson; Sinna Lindquist	Using Video Prototyping as a Means to Involve Crisis Communication Personnel in the Design Process: Innovating Crisis Management by Creating a Social Media Awareness Tool.	15th Intl Conference on Human-Computer Interaction	Las Vegas, USA	2013	
Ekhiotz Jon Vergara Alonso; Simin Nadjm-Tehrani	Watts2Share: Energy-Aware Traffic Consolidation	IEEE International Conference on and IEEE Cyber, Physical and Social Computing	Beijing, China	2013	
Hannes Ovrén; Per-Erik Forssén; David Törnqvist	Why Would I Want a Gyroscope on my RGB-D Sensor?	IEEE Winter Vision Meetings, Workshop on Robot Vision (WoRV13)	Clearwater, FL, USA	2013	