

List peer-reviewed conference papers 2014

*) Co-publication academy - industry

Authors	Title of paper	Name of conference	Location of conference	Year
Thomas Sjögren, Lars Ulander, Per-Olov Frörlind, Anders Gustavsson, Gunnar Stenström, Tommy Jonsson	Detection of moving humans in UHF wideband SAR	Algorithms of SAR Imagery XXI, Proc of SPIE	Baltimore, USA	2014
Jan Torggrimsson, CTH, Göteborg, Patrik Dammert, Saab EDS, Göteborg, Hans Hellsten, Saab EDS, Lars Ulander	Autofocus and analysis of geometrical errors within the framework of Fast Factorized Back-Projection.	SPIE Algorithms for Synthetic Aperture Radar Imagery XXI	Baltimore, USA	2014*
Lars Ulander, Anders Gustavsson, Tommy Jonsson, Rolf Ragnarsson, Gunnar Stenström	Development of CARINA bistatic VHF-band SAR	RADAR'14, International Radar Conference	Lille, Frankrike	2014
Rolf Johnsson, Robert Malmqvist, Shakila Reyaz, Uppsala Universitet, Anders Rydberg, Uppsala Universitet, Mehmet Kaynak, IHP GmbH, Frankfurt, Tyskland	Design and Results of W-band Power Detectors in a 130 nm SiGe BiCMOS Process Technology The 19th EuMIC	The 19th EuMIC	Rom, Italien	2014*
Michael Tuldahl, Håkan Larsson	Lidar on small UAV for 3D mapping Security + Defence, Electro-Optical Remote Sensing	Security + Defence, Electro-Optical Remote Sensing,	Amsterdam, Holland	2014
Joel Brynielsson, Fredrik Johansson, Sinna Lindquist, Magnus Rosell, Anders Westling	Social Media Screening for Supporting Real-Time Decision Making. National Symposium on Technology and Methodology for Security and Crisis Management 2013 (TAMSEC 2013)	National Symposium on Technology and Methodology for Security and Crisis Management 2013	Stockholm	2014
Anneli Ehlerding, Micael Granström, Tove Gustavi	EUROSKY: New technologies for advanced Air Cargo Security.	AMSEC 2013	Kista	2014
Christina Grönwall, David Lindgren	Aspects on architectures for multi sensor fusion systems	EDA IAP3 workshop on "System Architecturesensor fusion"	Bryssel, Belgien	2014
Andreas Gustafsson, Per-Olov Frörlind, Patrick Andersson	3D-SAR Measurements Using a Sparse Array Antenna	Swedish Microwave Days - Giga Hertz Symposium	Göteborg	2014
Tove Gustavi	Temporal sequence mining for improved situation understanding in robotics applications. SAIS (The Swedish AI Society) Workshop 2014	SAISSAIS (The Swedish AI Society) Workshop	Stockholm	2014
C2 Jouni Rantakokko, Peter Strömbäck, Peter Andersson	Foot- and knee-mounted INS for firefighter localization	ION International Technical Meeting (ITM)	San Diego, USA	2014*
John-Olof Nilsson, Jouni Rantakokko, Peter Händel, Isaac Skog, Martin Ohlsson, K.V.S. Hari	Accurate Indoor Positioning of Firefighters using Dual Foot-mounted Inertial Sensors and Inter-agent Ranging	IEEE ION/PLANS	Monterey	2014*
Vladimir Savic, (ISY), LiU, Erik G Larsson, (ISY), LiU, Javier Ferrer-Coll, Högskolan i Gävle, Peter Stenumgaard	Kernel Principal Component Analysis for UWB-Based Ranging	IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC)	Toronto, Kanada	2014*

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Rolf Johnsson, Carl Samuelsson, SAAB AB Linköping, S. Reyaz, Uppsala Universitet och NED University of Engineering & Technology, Karachi, Pakistan, Robert Malmqvist, M. Kaynak, IHP GmbH, Frankfurt, Germany, A. Rydberg, Uppsala Universitet	SiGe BiCMOS Wideband Power Detectors for W-band Passive Imaging Systems Swedish Microwave Days - GigaHertz Symposium	Swedish Microwave Days - GigaHertz Symposium,	Göteborg	2014*
Robert Malmqvist, Lars Ulander, Hans Frennberg, Lars Bohman	Recent progress in radar research at FOI	Swedish Microwave Days - Giga Hertz Symposium 2014	Göteborg	2014
Johan Schubert, Pontus Hörling	Preference-based Monte Carlo Weight Assignment for Multiple-criteria Decision Making in Defense Planning	17th International Conference on Information Fusion	Salamanca, Spain	2014
David Lindgren, Fredrik Gustafsson, Hans Habberstad, Gustaf Hendeby	Doppler-Only localization in Acoustic Sensor Networks	Reglermöte 2014	Linköping	2014*
Viktor Deleskog, Hans Habberstad, Gustaf Hendeby, David Lindgren, Niklas Wahlström	Robust NLS Sensor Calibration using MDS initialization	Reglermöte 2014	Linöping	2014*
Lars Ulander	Impulse response function for ultra-wideband SAR.	EUSAR 2014, 10th European Conference on Synthetic Aperture Radar	Berlin, Tyskland	2014
Viktor Deleskog, Hans Habberstad, Gustaf Hendeby, David Lindgren, Niklas Wahlström	Robust NLS sensor localization using MDS initialization	17th IEEE International Conference on Information Fusion	Salamanca, Spain	2014*
Martin Glimtoft, Petra Bååth, Heikki Saari, Jussi Mäkynen, Antti Näsilä, Henric Östmark	Towards eye-safe standoff Raman imaging systems.	SPIE DSS	Baltimore, USA	2014*
Bernhard Zachhuber, Henric Östmark	Spatially Offset Raman Line Scan for Content Detection in Turbid Containers.	OSA Advanced Photonics	Barcelona, Spain	2014
Bernhard Zachhuber, Henric Östmark, Torgny Carlsson	Spatially offset hyperspectral stand-off Raman imaging for explosive detection inside containers.	SPIE DSS	Baltimore, USA	2014
Ema Ceco, Hans Öonnerud, Dennis Menning, Bo Johansson Gilljam, Petra Bååth, Henric Östmark	Stand-off imaging Raman spectroscopy for forensic analysis of post-blast scenes Trace detection of ammonium nitrate and 2,4,6-trinitrotoluene	SPIE DSS	Baltimore, USA	2014
Patrik Eliardsson, Erik Axell, Kia Wiklundh, Peter Stenumgaard	Channel Selection that Considers the Impulse Characteristics of the Local Interference	EMC Europe	Göteborg	
Sara Linder, Peter Stenumgaard	On Parameter-Reduced Models for Intersystem-Interference Analysis on Co-Located Frequency Hopping Systems	EMC Europé	Gothenburg	2014
Thomas Sjögren, Anders Gustavsson, Per-Olov Frörlind, Tommy Jonsson, Gunnar Stenström, Lars Ulander	Experimental results for human detection in UHF UWB SAR	EUSAR	Berlin, Tyskland	2014
Kia Wiklundh, Peter Stenumgaard, Karina Fors, Sara Linder, Peter Holm, Leif Junholm	Scenario-Based Modeling for Electromagnetic Interference Analysis on Wireless Systems	EMC Europé	Gothenburg	2014*
Anders Westling, Joel Brynielsson, Tove Gustavi	Mining the Web for Sympathy: The Pussy Riot Case	2014 IEEE Joint Intelligence	Haag, Nederländerna	2014

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		Security Informatics Conference		
Peter Stenumgaard, Javier Ferrer-Coll, University of Gävle samt KTH, Stockholm, Ben Slimane, KTH, Stockholm, José Chilo, University of Gävle	Impulsive Noise Detection in OFDM Systems with PAPR Reduction	EMC Europé	Göteborg	2014*
Sara Örn Tengstrand, Karina Fors, Peter Stenumgaard, Kia Wiklundh	Jamming and interference vulnerability of IEEE 802.11p	EMC Europé	Göteborg	2014
Björn Gabrielsson, Patrik Eliardsson, Mikael Alexandersson, Kia Wiklundh, Peter Stenumgaard, Gunnar Hedling, Anders Frisk, Peter Wiklund	Autonomous Detection of Electromagnetic Interference in the GPS band.	NKG GENERAL ASSEMBLY	Göteborg	2014*
Björn Gabrielsson, Patrik Eliardsson, Mikael Alexandersson, Kia Wiklundh, Gunnar Hedling, Anders Frisk, Peter Wiklund, Peter Stenumgaard	Initial Results of the Assessment of a modern geodetic reference receiver vulnerability to intentional jamming	NKG GENERAL ASSEMBLY	Göteborg	2014*
Björn Gabrielsson, Karina Fors, Patrik Eliardsson, Mikael Alexandersson, Peter Stenumgaard	A Portable System for Autonomous Detection and Classification of Electromagnetic Interference in the GPS band	EMC Europé	Gothenburg	2014
Lars Sjöqvist, Markus Henriksson	High Resolution Time-Correlated Single-Photon Counting Range Profiling and Tomographic Imaging	Optics&Photonics in Sweden	Göteborg	2014
Farzad Kamrani, Pontus Hörling, Thomas Jansson, Pontus Svenson	Multivariate Data Generation for Customs Risk Evaluation Tool Winter Simulation Conference (WSC'14)	Winter Simulation Conference (WSC'14)	Savannah, USA	2014
Martin Nilsson, Jouni Rantakokko, Martin Skoglund, Gustaf Hendeby	Indoor Positioning Using Multi-Frequency RSS with Foot-Mounted INS	International Conf on Indoor Positioning and Indoor Navigation	Busan, South Korea	2014*
VieT T. Vu, Blekinge Tekniska Högskola, Mats I. Pettersson, BTH, Svante Björklund	A Method to Implement SAR Slow-Time STAP in Beamforming Stage of Fast Backprojection Algorithm IGARSS 2014/ 35th CSRS	IGARSS 2014/ 35th CSRS	Quebec, Canada	2014*
Fredrik Olsson, Jouni Rantakokko, Jonas Nygård	Cooperative Localization Using a Foot-mounted Inertial Navigation System and Ultrawideband Ranging	International Conf on Indoor Positioning and Indoor Navigation	Busan, South Korea	2014*
David Enberg, Dept of Electrical engineering, LiU, Martin Nilsson, Dept of Electrical engineering, LiU, Emma Ring, Dept of Electrical engineering, LiU, Maria Andersson	Acoustic control of surveillance camera.	Reglermöte 2014	Linköping	2014*
Magnus Bång, Erik Prytz, Jonas Rybing, Toomas Timpka	Cognitive design of a digital desk for the emergency room setting	2014 AMIA Annual Symposium	Washington DC	2014
Erik Ringaby, Per-Erik Forssén	A Virtual Tripod for Hand-held Video Stacking on Smartphones	IEEE International Conference on Computational Photography (ICCP 2014)	Intel, Santa Clara, USA	2014
Martin Danelljan, Fahad Shahbaz Khan, Michael Felsberg, Joost van de Weijer	Adaptive Color Attributes for Real-Time Visual Tracking	Proceedings of IEEE Conference on Computer Vision and Pattern Recognition (CVPR) 2014, IEEE Conference on	Columbus, Ohio, USA	2014

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		Computer Vision and Pattern Recognition. Proceedings, 1090-1097,		
Martin Lesmana, Axel Landgren, Per-Erik Forssén, Dinesh K. Pai	Active Gaze Stabilization	The ninth Indian Conference on Computer Vision, Graphics and Image Processing (ICVGIP'14)	Bangalore, Karnataka, India	2014
Vasileios Zografos, Reiner Lenz, Erik Ringaby, Michael Felsberg, Klas Nordberg	Fast segmentation of sparse 3D point trajectories using group theoretical invariants	Computer Vision -- ACCV 2014, Lecture Notes in Computer Science, The 12th Asian Conference on Computer Vision, ACCV 2014	Singapore	2014
Martin Danelljan, Gustav Häger, Fahad Khan, Michael Felsberg	Accurate Scale Estimation for Robust Visual Tracking	British Machine Vision Conference	Nottingham	2014
Bryllert, T.	Sub-millimeter Wave Diode Transceivers	IRMMW-THz	Tucson, USA	2014
Stake, J.	Advances in high frequency graphene electronics and integrated terahertz electronics for imaging and sensing applications	GigaHertz Symposium		2014
Bryllert, T.	THz imaging for security applications	GigaHertz Symposium		2014
Rantakokko, J. et al.	Foot- and knee-mounted INS for firefighter localization	ION International Technical Meeting (ITM)	San Diego, USA	2014
Emilsson, E. and Rydell, J.	CHAMELEON on fire: Thermal infrared indoor positioning	IEEE/ION Position Location and Navigation Symposium (PLANS)	Monteray, USA	2014
Tariq, M. et al.	The security awareness paradox: A case study	IEEE/ACM International Conference on Advances in Social Network Analysis and Mining (ASONAM 2014)	Beijing, China	2014
Vagin, M. et al.	Boron-doped diamond microelectrode arrays for electrochemical monitoring of antibiotics contamination in water	15th International Conference on Electroanalysis (ESEAC)	Malmö, Sweden	2014
Sekretaryova, A. et al.	A screen-printed microband array biosensor for water monitoring	15th International Conference on Electroanalysis (ESEAC)	Malmö, Sweden	2014
Vagin, M. et al.	Screen-printed graphite microbands as a versatile biosensor platform	24th Anniversary World Congress on Biosensors - Biosensors 2014	Melbourne, Australia	2014
Victor Cheng Hei, Daniel Persson, Erik G Larsson	MIMO Capacity under Power Amplifiers Consumed Power and Per-Antenna Radiated Power Constraints	IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC)	Toronto, Canada	2014

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Marcus Karlsson, Erik G. Larsson	On the Operation of Massive MIMO with and without transmitter CSI	IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC)	Toronto, Canada	2014
Hien Quoc Ngo, Erik G. Larsson, Thomas L. Marzetta	Aspects of Favorable Propagation in Massive MIMO	European Signal Processing Conference (EUSIPCO)	Lisbon, Portugal	2014
Christopher Mollén, Erik G. Larsson, Thomas Eriksson	On the Impact of PA-Induced In-Band Distortion in Massive MIMO	European Wireless Conference	Barcelona, Spain	2014
Vladimir Savic, Erik G. Larsson, Javier Ferrer-Coll, Peter Stenumgaard	Kernel Principal Component Analysis for UWB-Based Ranging	IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC)	Toronto, Canada	2014
Mirsad Čirkić, Erik G. Larsson	On the Complexity of Very Large Multi-User MIMO Detection	IEEE International Workshop on Signal Processing Advances in Wireless Communications (SPAWC)	Toronto, Canada	2014
Yinan Wang, Håkan Johansson, Hui Xu, Zhaolin Sun	Blind Calibration of Nonlinearity Mismatch Errors in Two-Channel Time-Interleaved ADCs	IEEE Int. Conf. Electronics Circuits Syst.	Marseille, France	2014
Emil Björnson, Erik G. Larsson, Mérouane Debbah	Optimizing Multi-Cell Massive MIMO for Spectral Efficiency: How Many Users Should be Scheduled?	IEEE Global Conference on Signal and Information Processing	Atlanta, Georgia, USA	2014
Marcus Karlsson, E. G. Larsson	Massive MIMO as a Cyber-Weapon	Asilomar Conference on Signals, Systems and Computers	Pacific Grove, California, USA	2014
Hien Q. Ngo, Himal A. Suraweera, Michail Matthaiou, Erik G. Larsson	Multipair Massive MIMO Full-Duplex Relaying with MRC/MRT Processing	IEEE International Conference on Communications	Sydney, Australia	2014
Tumula V. K. Chaitanya, Danyo Danev and Erik G. Larsson	Constant Envelope Signal Space Diversity	IEEE International Conference on Acoustics, Speech and Signal Processing	Florence, Italy	2014
Weinholt, Å. & Holmgren, J.	Evaluating the effects of organizational changes and private sector involvement on cost efficiency in fire and rescue services.	Proceedings of the 2014 International Research Society for Public Management (IRSPM) conference	Ottawa, Canada	2014
Mojir, K. Y. & Pilemalm, S	Emerging communities of collaboration: co-location in emergency response systems in Sweden.	Proceeding of the 11th International Conference of Information Systems for Crisis Response and Management (ISCRAM)	Pennsylvania, USA	2014
Bang, M., Prytz E., Rybing, J. & Timpka T	Cognitive design of a digital desk for the emergency room setting.	AMIA 2014 Annual Symposium (American Medical Informatics Association)	Washington DC, USA	2014

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Weinholt, Å. & Holmgren, J.	Evaluating the effects of organizational changes and private sector involvement on cost efficiency in fire and rescue services.	Proceedings of the 2014 International Research Society for Public Management (IRSPM) conference	Ottawa, Canada	2014
Amri, A., Authén, S., Bruneliere, H., Deleuze, G., Georgescu, G., Holmberg, J.-E., Kim, M.C., Kondo, K., Li. M., Piljugin, E., Postma, W., Sedlak, J., Smidts, C. Stiller, J., Thuy, N.	OECD/NEA WGRISK task on failure modes taxonomy for digital I&C – DIGREL. Paper 123	Proc. of 12th International Probabilistic Safety Assessment and Management Conference, 22-27.6	Honolulu	2014
Bäckström, O., Holmberg, J.-E., Jockenhoevel-Barttfeld, M., Porthin, M., Taurines, A., Honolulu, paper 458.	Quantification of Reactor Protection System Software Reliability Based on Indirect and Direct Evidence.	Proc. of 12th International Probabilistic Safety Assessment and Management Conference, 22-27.6	Honolulu	2014
Olsson, A., Caldwell, A., Nordqvist, M., Johansson, G., Sunde, C., Holmberg, J.-E., Karanta, I.	Addressing Off-site Consequence Criteria Using PSA Level 3 – Enhanced Scoping Study.	Proc. of 12th International Probabilistic Safety Assessment and Management Conference, 22-27.6	Honolulu	2014