

List scientific peer-reviewed publications in refereed journals 2014

*) Co-publication academy - industry

Authors	Title of publication	Journal	Volume	Issue	Pages
Fahad Khan, De Weijer J. Van, A.D. Bagdanov, Michael Felsberg	Scale coding bag-of-words for action recognition	Pattern Recognition (ICPR), 2014 22nd International Conference on, International Conference on Pattern Recognition			1514-1519
Fahad Khan, Joost van de Weijer, Rao Muhammad Anwer, Michael Felsberg, Carlo Gatta	Semantic Pyramids for Gender and Action Recognition	IEEE Transactions on Image Processing	23	8	3633-3645
Karl Granström, U. Orguner	New Prediction for Extended Targets With Random Matrices	IEEE Transactions on Aerospace and Electronic Systems	50	2	1577-1589
Mehmet B. Guldogan, David Lindgren, Fredrik Gustafsson, Hans Habberstad, Umut Orguner	Multi-target tracking with PHD filter using Doppler-only measurements	Digital Signal Processing	27		1-11
Karl Granström, Christian Lundquist, Fredrik Gustafsson, Umut Orguner	Random Set Methods: Estimation of Multiple Extended Objects	IEEE robotics & automation magazine	21	2	73-82
Feng Yin, Carsten Fritsche, Fredrik Gustafsson, Abdelhak M. Zoubir	EM- and JMAP-ML Based Joint Estimation Algorithms for Robust Wireless Geolocation in Mixed LOS/NLOS Environments	IEEE Transactions on Signal Processing	62	1	168-182
Zoran Sjanic, Fredrik Gunnarsson, Carsten Fritsche, Fredrik Gustafsson	Cellular Network Non-Line-of-Sight Reflector Localisation Based on Synthetic Aperture Radar Methods	IEEE Transactions on Antennas and Propagation	62	4	2284-2287
Niklas Wahlström, Roland Hostettler, Fredrik Gustafsson, Wolfgang Birk	Classification of Driving Direction in Traffic Surveillance using Magnetometers	IEEE transactions on intelligent transportation systems (Print)	15	4	1405-1418
Niklas Wahlström, Fredrik Gustafsson	Magnetometer Modeling and Validation for Tracking Metallic Targets	IEEE TRANSACTIONS ON SIGNAL PROCESSING	62	3	545-556
Paola Fattibene, Francois Trompier, Albrecht Wieser, Maria Brai, Bartlomej Ciesielski, Cinzia De Angelis, Sara Della Monaca, Tristan Garcia, Håkan Gustafsson, Eli Olag Hole, M. Juniewicz, K. Krefft, Anna Longo, Philippe Leveque, Eva Lund, Maurizio Marrale, Barbara Michalec, Gabriela Mierzwinska, J. L. Rao, Alexander A. Romanyukha and Hasan Tuner.	EPR dosimetry intercomparison using smartphone touch screen glass	RADIATION AND ENVIRONMENTAL BIOPHYSICS	53	2	311-320
Emelie Adolfsson, Håkan Gustafsson, Eva Lund, Gudrun Alm Carlsson, Sara Olsson, Åsa Carlsson.	A system for remote dosimetry audit of 3D-CRT, IMRT and VMAT based on lithium formate dosimetry	RADIOTHERAPY AND ONCOLOGY	113	2	279-282
Emelie Adolfsson, Åsa Tedgren Carlsson, Gudrun Alm Carlsson, Håkan Gustafsson.	Optimisation of an EPR dosimetry system for robust and high precision dosimetry	RADIATION MEASUREMENTS	70		21-28
Eva Lund, Emelie Adolfsson, Natallia Kolbun and Håkan Gustafsson.	EPR imaging of dose distributions aiming at applications in radiation therapy	RADIATION PROTECTION DOSIMETRY	159	1-4	130-136
Natallia Kolbun, Emelie Adolfsson, Håkan Gustafsson and Eva Lund.	High-resolution mapping of 1D and 2D dose distributions using X-band electron paramagnetic resonance imaging	RADIATION PROTECTION DOSIMETRY	159	1-4	182-187
Mats Eriksson and Zafar Iqbal.	Two measurement modes for mobile phone optical sensing	Sensors and Actuators B	195		63-70
Mikhail Vagin, Alina Sekretaryova, Rafael Sanchez Reategui, Ingemar Lundstrom, Fredrik Winquist, Mats Eriksson.	Arrays of screen printed graphite microband electrodes as a versatile electroanalysis platform	ChemElectroChem	1		755-762
Ulrik Franke and Joel Brynielsson.	Cyber situational awareness -- a systematic review of the literature	Computers and Security	46		18-31

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Axel Israelsson and Håkan Pettersson	Measurements of 234U and 238U in hair, urine and drinking water among drilled bedrock well water users for the evaluation of hair as a biomonitor of uranium intake	Health Physics	107	2	143-149
Markus Henriksson, and Lars Sjöqvist.	Scintillation index measurement using time-correlated single-photon counting laser radar	OPTICAL ENGINEERING	53	8	
Ove Steinvall, Tomas Chevalier, Christina Grönwall	Simulation and modeling of laser range profiling and imaging of small surface vessels	OPTICAL ENGINEERING	53	2	
Peter Holm, Daniel Persson, Kia Wiklundh, Peter Stenumgaard	On multiple-input-multiple-output performance for Terrestrial Trunked Radio systems	IET Communications, 2014	8	14	2484 - 2488
Teodor Sommestad, Jonas Hallberg, Kristoffer Lundholm, Johan Bengtsson	Variables influencing information security policy compliance: A systematic review of quantitative studies.	Information Management & Computer Security	22	1	42 - 75
Magnus Jändel	Decision support for releasing anonymised data	Computers and Security	46		48 - 61
Joel Brynielsson, Fredrik Johansson, Carl Jonsson, Anders Westling	Emotion classification of social media posts for estimating people's reactions to communicated alert messages during crises.	Security Informatics	3	7	11 pages
Peter Stenumgaard	EMC-incidenter	Electronical Environment	2		24-25
Peter Stenumgaard	Smartphones som störsändare	Electronic Environment	4		16-17
Peter Stenumgaard, Kia Wiklundh	Smygande EMC-problem	Electronic Environment	4		16-18
Markus Henriksson, Lars Sjöqvist	Scintillation index measurement using time-correlated single-photon counting laser radar.	Optical Engineering	5	8	
Lars Sjöqvist, Markus Henriksson, Per Jonsson, Ove Steinvall	Time-correlated single-photon counting range profiling and reflectance tomographic imaging	Advanced Optical Technology	3	2	187-197
Ove Steinvall, Tomas Chevalier, Christina Grönwall	Simulation and modeling of laser range profiling and imaging of small surface vessels	Optical Engineering	53	1	*
Jan Torgrimsson, CTH, Patrik Dammert, Saab EDS, Göteborg, Hans Hellsten, Saab EDS, Lars Ulander	Factorized geometrical autofocus for synthetic aperture radar processing	IEEE Transactions on Geoscience and Remote Sensing	52	10	6674-6687*
Gisela K. Carvajal, CTH, Göteborg, Leif E B Eriksson, CTH, Göteborg, Lars Ulander	Retrieval and quality assessment of wind velocity vectors on the ocean with C-band SAR	IEEE Trans on Geoscience and Remote Sensing	52	5	2519-2537*
Thomas Sjögren, Viet Thuy Vu, Member IEEE, Mats I. Pettersson, Member IEEE, Blekinge Tekniska Högskola, Feng Wang, Daniel J G Murdin, NIRA Dynamics, Anders Gustavsson, Lars Ulander	Suppression of Clutter in Multichannel SAR GMTI	IEEE Transactions on Geoscience and remote sensing,	52	7	4005-4013
Amin Karami, Ronnie Johansson	Utilization of Multi Attribute Decision Making Techniques to Integrate Automatic and Manual Ranking of Options	Journal of Information Science and Engineering	30	2	519-534*
Ding, Qian, Linda Schenk, and Sven Ove Hansson	Setting Occupational Exposure Limits for Non-Threshold Carcinogens	Human and Ecological Risk Assessment	20	5	1329-1344
Eva Erman and Niklas Möller	Brandom and Political Philosophy	Journal of Political Philosophy	22	4	486-498
Sven Ove Hansson, and Terje Aven	Is risk analysis scientific?	Risk Analysis	34	7	1173-1183
Sven Ove Hansson.	Making Road Traffic Safer	Philosophical Papers	43		365-375
Sven Ove Hansson.	Review of Alex Broadbent, Philosophy of Epidemiology.	Scandinavian journal of work, environment & health	40		435-436

Authors	Title of publication	Journal	Volume	Issue	Pages
Jan-Erik Holmberg, Ola Bäckström, Tero Tyrväinen.	Analysis and modelling of software in probabilistic safety assessment	Nuclear Safety and Simulation	5	4	310-319
Niklas Möller	All that jazz: Linguistic competence and improvisation"	Philosophical Studies	167	2	237-250
Amy Rankin, Jonas Lundberg, Rogier Woltjer, Carl Rollenhagen, Erik Hollnagel.	Resilience in Everyday Operations: A Framework for Analyzing Adaptations in High-Risk Work,	Journal of Cognitive Engineering and Decision Making	8	1	78-97
Teemu Reiman, Carl Rollenhagen.	Does the concept of safety culture help or hinder systems thinking in safety?	Accident Analysis & Prevention	68		5-15
Linda Schenk, Qian Ding and Sven Ove Hansson.	Science and policy in risk-based occupational exposure limits	Toxicology Letters	229		120
Björn Wahlström, Carl Rollenhagen.	Safety management – A multi-level control problem	Safety Science	69		3-17
Niklas Hallberg, Erland Jungert, and Sofie Pilemalm.	Ontology for Systems Development	International Journal of Software Engineering and Knowledge Engineering,	24	3	329-345
Sofie Pilemalm, Dennis Andersson, Kayvan Y Mojir.	Enabling organizational learning from rescue operations, International Journal of Emergency Services,		3	2	101-117
Eva Blomqvist	The use of Semantic Web technologies for decision support – a survey	Semantic Web	5	3	177-201
Toomas Timpka, Armin Spreco, Örjan Dahlström, Olle Eriksson, Elin Gursky, Joakim Ekberg, Eva Blomqvist, Magnus Strömgren, David Karlsson, Henrik Eriksson, James Nyce, Jorma Hinkula, and Einar Holm.	Performance of eHealth Data Sources in Local Influenza Surveillance: A 5-Year Open Cohort Study	Journal of Medical Internet Research	16	4	
Amy Rankin, Jonas Lundberg, Rogier Woltjer, Carl Rollenhagen, and Erik Hollnagel	Resilience in Everyday Operations: A Framework for Analysing Adaptations in High Risk Work	Journal of Cognitive Engineering and Decision Making	8	1	78-97
Jonas Lundberg, Amy Rankin	Resilience and vulnerability of small flexible crisis response teams: Implications for training and preparation	Cognition, Technology & Work	16	2	143-155
Toomas Timpka, Armin Spreco, Olle Eriksson, Örjan Dahlström, E. A. Gursky, M. Stromgren, E. Holm, Joakim Ekberg, Jorma Hinkula, J. M. Nyce and Henrik Eriksson	Predictive performance of telenursing complaints in influenza surveillance: a prospective cohort study in Sweden	Eurosurveillance	19	46	24-32
Hien Quoc Ngo, Himal A. Suraweera, Michail Matthaiou, Erik G. Larsson	Multipair Full-Duplex Relaying with Massive Arrays and Linear Processing	IEEE Journal on Selected Areas in Communications	32	9	1721-1737
Hien Quoc Ngo, Michail Matthaiou, Erik G. Larsson	Massive MIMO with Optimal Power and Training Duration Allocation	IEEE Wireless Communications Letters	3	6	605-608
Håkan Johansson	Relations Between Zero-IF Receiver I/Q and TI-ADC Channel Mismatches	IEEE Transactions on Signal Processing	62	13	3403-3414
Erik G Larsson, Ove Edfors, Fredrik Tufvesson, Thomas L. Marzetta	Massive MIMO for Next Generation Wireless Systems	IEEE Communications Magazine	52	2	186-195
Daniel Persson, Eriksson Thomas, Erik G. Larsson	Amplifier-Aware Multiple-Input Single-Output Capacity	IEEE Transactions on Communications	62	1	913-919
Mirsad Čirkić, Erik G. Larsson	SUMIS: Near-Optimal Soft-In Soft-Out MIMO Detection with Low and Fixed Complexity	IEEE Transactions on Signal Processing	62	12	3084-3097
Reza Moosavi, Erik G. Larsson	Optimized Encoding of Scheduling Assignments Using Finite Blocklength Coding Bounds	IEEE Wireless Communications Letters	3	3	265 - 268
Tumula V. K. Chaitanya and Erik G. Larsson	Adaptive Power Allocation for HARQ with Chase Combining in Correlated Rayleigh Fading Channels	IEEE Wireless Communications Letters	3	4	169–172
Reza Moosavi, Erik G. Larsson	Fast Blind Recognition of Channel Codes	IEEE Transactions on Communications	62	5	1393–1405

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Peter D. Holm, Daniel Persson, Kia Wiklundh, Peter Stenumgaard	On Multiple-Input-Multiple-Output Performance for Terrestrial Trunked Radio Systems	IET Communications	8	14	2484-2488