

List scientific peer-reviewed publications in refereed journals 2016.

Publications: Title	Authors	Journal	Volume	Issues	Pages y-x	Year of publication
A Tunable 240–290 GHz Waveguide Enclosed 2-D Grid HBV Frequency Tripler	R. Dahlbäck, J. Vukusic, R. Weikle och J. Stake	IEEE Transactions on Terahertz Science and Technology	6	3	503 - 509	2016
Active and passive imaging of clothes in the NIR and SWIR regions for reflectivity analysis	Christina Grönwall, Ove Steinvall, Benjamin Göhler, Dominique Hamoir	Applied Optics	55	20	5292-5303	2016
Actor-Centered Emergency Response Systems: A framework for needs analysis and information systems development	Yousefi Mojir, K. & Pilemalm, S	International Journal of Emergency Management				2016
An efficient solution to the factorized geometrical autofocus problem	Patrik Dammert, Hans Hellsten, Lars Ulander	IEEE Transactions on Geoscience and Remote Sensing	54	8		2016
Bandwidth-efficient calibration method for nonlinear errors in M-channel time-interleaved ADCs	Wang, Yinan; Johansson, Håkan; Xu, Hui ; Diao, Jietao	Analog Integrated Circuits and Signal Processing	86		275 - 288	2016
Beyond Correlation Filters: Learning Continuous Convolution Operators for Visual Tracking	Danelljan, Martin; Robinson, Andreas; Khan, Fahad; Felsberg, Michael	Computer Vision - ECCV 2016, Pt V	9909		472-488	2016
Bridging the mission-control gap: A flight command layer for mediating flight behaviours and continuous control	Rudol, Piotr; Doherty, Patrick	2016 IEEE International Symposium on Safety, Security, and Rescue Robotics (SSRR)				2016
Challenges, dilemmas, and quality criteria for safety reviews	Carl Rollenhagen, Thomas Falk and Sven Ove Hansson	Journal of Radiological Protection	37		279-295	2016

Cognitive robotics in JOURNAL OF EXPERIMENTAL and THEORETICAL ARTIFICIAL INTELLIGENCE, vol 28, issue 5, pp 779-780	Bhatt, Mehul; Erdem, Esra; Heintz, Fredrik; Spranger, Michael	Journal of experimental and theoretical artificial intelligence	28	5	779-780	2016
Compact 340 GHz homodyne transceiver modules for FMWC imaging radar arrays	R. Dahlbäck, T. Bryllert, G. Granström, M. Ferndahl, V. Drakinskiy och J. Stake					2016
Comparison of full 3D and unit cell models for waveguide-embedded frequency multiplier arrays	G. Hrubó, R. Dahlbäck och J. Stake	IEEE Microwave and Wireless Components Letters	26	11	954-956	2016
Continuously scanning time-correlated single-photon-counting single-pixel 3-D lidar.	Markus Henriksson, Håkan Larsson, Christina Grönwall, Gustav Tolt	Optical Engineering	56	3		2016
Data-driven robust receding horizon fault estimation	Wan, Yiming; Keviczky, Tamas; ;Verhaegen, Michel; Gustafsson, Fredrik	Automatica	71		210-221	2016
Design and Characterization of 1.8-3.2 THz Schottky-based Harmonic Mixers	B. Bulcha, J. Hesler, V. Drakinskiy, J. Stake, A. Valavanis, P. Dean, L. Li och S. Barker	IEEE Transactions on Terahertz Science and Technology	6	5	737-746	2016
Editorial Material: Editorial: Special Issue on Safety, Security, and Rescue Robotics (SSRR),	Kleiner, Alexandre; Heintz, Fredrik; Tadokoro, Satoshi	Journal of Field Robotics	33	3	263 - 264	2016
Enhanced analysis of thermographic images for monitoring of district heat pipe networks	Berg, Amanda; Ahlberg, Jörgen; Felsberg, Michael	Pattern Recognition Letters	83	2	215-223	2016
Experience feedback from in-depth event investigations: How to find and implement efficient remedial actions	Carl Rollenhagen, Helen Alm, Karl-Henrik Karlsson	Safety Science				2016
Extraction of Human Micro-Doppler Signature in an Urban Environment Using a "Sensing-Behind-the-Corner" Radar	Magnus Gustafsson, Åsa Andersson, Tommy Johansson, Stefan Nilsson, Ain Sume, Anders Örbom	IEEE Geoscience and Remote Sensing Letters	13	2		2016
Five caveats for risk-risk analysis	Sven Ove Hansson	Journal of Risk Research			1-4	2016
High spatial resolution hyperspectral camera based on a linear variable filter	Ingmar G. E. Renhorn, David Bergström, Julia Hedborg, Dietmar Letalick, Sebastian Möller	Optical Engineering	55	11		2016
Highly Accurate Attitude Estimation via Horizon Detection	Grelsson, Berti; Felsberg, Michael; Isaksson, Folke	Journal of Field Robotics	33	7	967-993	2016

How Practices Do Not Matter	Eva Erman and Niklas Möller	Critical Review of International Social and Political Philosophy (forthcoming,).				2016
How to be Cautious but Open to Learning: Time to Update Biotechnology and GMO Legislation	Sven Ove Hansson	Risk Analysis	36	8	1513-1517	2016
Improving the Performance of the Zero-Forcing Multiuser MISO Downlink Precoder Through User Grouping	Khan Mohammed, Saif; Larsson, Erik G	IEEE Transactions on Wireless Communications	15		811 - 826	2016
Joint Beamforming and Broadcasting in Massive MIMO	Larsson, Erik G ; Vincent Poor, H.	IEEE Transactions on Communications	15		3058 - 3070	2016
Joint Power Allocation and User Association Optimization for Massive MIMO Systems	Van Chien, Trinh; Björnson, Emil; Larsson, Erik G.	Analog Integrated Circuits and Signal Processing	15		6384 - 6399	2016
Kernel Methods for Accurate UWB-Based Ranging with Reduced Complexity	Savic, Vladimir ; Larsson, Erik G.; Ferrer-Coll, Javier; Stenumgaard, Peter	IEEE Transactions on Vehicular Technology	15		1783 - 1793	2016
Massive MIMO for Maximal Spectral Efficiency: How Many Users and Pilots Should Be Allocated?	Björnson, Emil; Larsson, Erik G; Debbah, Merouane	IEEE Communications Magazine	15		1293 - 1308	2016
Massive MIMO: Ten Myths and One Critical Question	Björnson, Emi; Larsson, Erik G; Marzetta, Thomas L. (Nokia, France)	IEEE Transactions on Wireless Communications	54		114 - 123	2016
ML Detection in Phase Noise Impaired SIMO Channels with Uplink Training	Pitarokoilis, Antonios; Björnson, Emil; Larsson, Erik G.	IEEE Communications Letters	64		223 - 235	2016
Multi-spectral texture analysis for IED detection	Henrik Petersson, David Gustafsson	Proc. SPIE 9988, Electro-Optical Remote Sensing X, 99880P (October 21,	9988		FOI	2016
Nonlinear Kalman Filters Explained: A Tutorial on Moment Computations and Sigma Point Methods	Roth, Michael; Hendeby, Gusta; Gustafsson, Fredrik	Journal of Advances in Information Fusion	11	1	47 - 70	2016
On the Feasibility of Wireless Energy Transfer Using Massive Antenna Arrays	Kashyap, Sali; Björnson, Emil; Larsson, Erik G	IEEE Transactions on Wireless Communications	15		3466 - 3480	2016

Optimal scheduling for replacing perimeter guarding unmanned aerial vehicles	Burdakov, Oleg; Kvarnström, Jonas; Doherty, Patrick	Annals of Operations Research			1-12	2016
Performance of the Massive MIMO Uplink with OFDM and Phase Noise	Pitarokoilis, Antonios ; Björnson, Emil ; Larsson, Erik G.	IEEE Transactions on Wireless Communications	20		1595 - 1598	2016
Subverting massive MIMO by smart jamming	Pirzadeh, Hessam, S. Mohammad Razavizadeh, and Emil Björnson	IEEE Wireless Communications Letters			20 - 23	2016
Target Tracking in Confined Environments with Uncertain Sensor Positions	Savic, Vladimi; Wymeersch, Hen; Larsson, Erik G	IEEE Transactions on Wireless Communications	65		870 - 882	2016
The Concepts of Risk, Safety and Security: Applications in Everyday Language	Max Boholm, Niklas Möller and Sven Ove Hansson	Risk Analysis: An International Journal	36	2	320-338	2016
The Concepts of Risk, Safety, and Security: Applications in Everyday Language	Max Boholm, Niklas Möller and Sven Ove Hansson	Risk Analysis	36	2	320-333	2016
Use of multivariate analysis to minimize collecting of infrared images and classify detected objects	Thomas Svensson, Dietmar Letalick	Proc. SPIE 9988, Electro-Optical Remote Sensing X, 99880M			FOI	2016
Waveforms for the Massive MIMO Downlink: Amplifier Efficiency, Distortion and Performance	Mollén, Christopher; Larsson, Erik G. ; Eriksson, Thomas	IEEE Transactions on Communications	46		5050 - 5063	2016
Wireless Information and Power Transfer in Multiway Massive MIMO Relay Networks	Amarasuriya, Gayan; Larsson, Erik G; Vincent Poor, H.	IEEE Transactions on Wireless Communications	15		3837 - 3855	2016
Workload differences across command levels and emergency response organizations during a major joint training exercise.	Prytz E., Rybing J., Jonson C-O.	Journal of Emergency Management.	14(4)		289-297	2016