

SPRING PUBLICATIONS LIST (Jan 2022)

DOI	Link	Title	Authors	Title of the Journal/Proc./Book
	https://arxiv.org/abs/2108.04553	SocialInteractionGAN: Multi-person Interaction Sequence	Airale, Louis; Vaufray, Dominique; Alameddini, Samir	Transactions on Automatic Control
10.1564/2021-10-1564	https://arxiv.org/abs/2108.04553	Dynamical Variational Autoencoders: A Comprehensive Review	Laurent Girin, Simon Leglaive, Xiaoyu Bie	Foundations and Trends in Machine Learning
10.1101/2021.10.1101	https://arxiv.org/abs/2108.04553	Variational Inference and Learning of Piecewise linear Dynamics	Xavier Alameda-Pineda; Vincent Drouard; Renaud Leglaive	IEEE Transactions on Neural Networks and Learning Systems
10.1181/2021.10.1181	https://arxiv.org/abs/2108.04553	Estimation of acoustic echoes using expectation-maximization	Saqib, U., Gannot, S. & Jensen, J.	EURASIP Journal on Audio, Speech, and Music Processing
10.1181/2021.10.1181	https://arxiv.org/abs/2108.04553	Forward-backward recursive expectation-maximization for speech	Dorfan, Y., Schwartz, B. & Gannot, S	EURASIP Journal on Audio, Speech, and Music Processing
10.1181/2021.10.1181	https://arxiv.org/abs/2108.04553	An online algorithm for echo cancellation, dereverberation and noise reduction	Nili Cohen; Gershon Hazan; Boaz Schwartz	EURASIP Journal on Audio, Speech, and Music Processing
10.1181/2021.10.1181	https://arxiv.org/abs/2108.04553	A recursive expectation-maximization algorithm for speech	Schwartz, O., Gannot, S.	EURASIP Journal on Audio, Speech, and Music Processing
10.1181/2021.10.1181	https://arxiv.org/abs/2108.04553	Audio source separation by activity probability detection	Bracha Laufer-Goldshtein; Ronen Talmon; Shariq-Ul-Haq	EURASIP Journal on Audio, Speech, and Music Processing
10.1101/2021.10.1101	https://arxiv.org/abs/2108.04553	Simultaneous Tracking and Separation of Multiple Sources	Koby Weisberg; Bracha Laufer-Goldshtein; Shariq-Ul-Haq	IEEE/ACM Transactions on Audio, Speech, and Language Processing
10.1010/2021.10.1010	https://arxiv.org/abs/2108.04553	Intérêt de la robotique sociale et d'assistance auprès des personnes âgées	Maribel Pino, Sébastien Dacunha, Étienne Baudry	Actualités Pharmaceutiques
10.1181/2021.10.1181	https://arxiv.org/abs/2108.04553	Dynamically localizing multiple speakers based on the time-frequency structure	Hodaya Hammer; Shlomo E. Chazan; Jacob Benesty	EURASIP Journal on Audio, Speech, and Music Processing
10.1181/2021.10.1181	https://arxiv.org/abs/2108.04553	The hybrid Cramér-Rao lower bound for simultaneous localization and tracking	Maya Veisman; Yair Noam; Sharon Gannot	EURASIP Journal on Advances in Signal Processing
10.1101/2021.10.1101	https://arxiv.org/abs/2108.04553	Semi-Supervised Source Localization in Reverberant Environments	Michael J. Bianco; Sharon Gannot; Efrén Ferras	IEEE Access
10.1101/2021.10.1101	https://arxiv.org/abs/2108.04553	Semi-Supervised Multiple Source Localization Using Relative Time-Frequency Information	Y. Hu, P. N. Samarasinghe, S. Gannot and T. D. Abhayapala	IEEE/ACM Transactions on Audio, Speech, and Language Processing
10.1101/2021.10.1101	https://arxiv.org/abs/2108.04553	Mixture of Inference Networks for VAE-based Audio-visual Source Separation	M. Sadeghi and X. Alameda-Pineda	IEEE Transactions on Signal Processing
10.1101/2021.10.1101	https://arxiv.org/abs/2108.04553	ARI: the Social Assistive Robot and Companion	Sara Cooper; Alessandro Di Fava; Carlos V. Torres	2020 29th IEEE International Conference on Robot and Human Interactive Communication (RO-MAN)
	https://arxiv.org/abs/2108.04553	Explainable Representations of the Social State: A Model for Human-Robot Interaction	García, Daniel Hernández; Yu, Yanchao; Siegelmann, H. Mark	AAAI FSS-20 AI-HRI
10.1007/978-3-030-55541-7_10	https://arxiv.org/abs/2108.04553	ODANet: Online Deep Appearance Network for Identity-Camouflaged Object Detection	Guillaume Delorme, Yutong Ban, Guillaume Baudry	ICPR 2021: Pattern Recognition. ICPR International Workshops and Challenges
	https://arxiv.org/abs/2108.04553	On the Usage of the Trifocal Tensor in Motion Segmentation	Federica Arrigoni, Luca Magri, Tomas Pajdla	ECCV'20 Online
10.2146/2021.10.2146	https://arxiv.org/abs/2108.04553	Online Blind Audio Source Separation using Recursive Expectation-Maximization	Aviad Eisenberg, Boaz Schwartz and Sharon Gannot	INTERSPEECH 2021
	https://arxiv.org/abs/2108.04553	OpenMix: Reviving Known Knowledge for Discovering Novel Mixtures	Zhun Zhong, Linchao Zhu, Zhiming Luo, Shaohui Chen	Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)
	https://arxiv.org/abs/2108.04553	Robot control and navigation: ARI's autonomous system	Francesco Ferro, Federico Nardi, Sara Cooper	29th IEEE International Conference on Robot & Human Interactive Communication ROMAN-2020
10.1101/2021.10.1101	https://arxiv.org/abs/2108.04553	Semi-Supervised Source Localization with Deep Generative Models	Michael J. Bianco; Sharon Gannot; Peter Gerber	2020 IEEE 30th International Workshop on Machine Learning for Signal Processing (MLSP)
10.1101/2021.10.1101	https://arxiv.org/abs/2108.04553	A Bayesian Hierarchical Mixture of Gaussian Model for Music Source Separation	Y. Laufer and S. Gannot	2020 IEEE 30th International Workshop on Machine Learning for Signal Processing (MLSP)
10.2391/2021.10.2391	https://arxiv.org/abs/2108.04553	A Bayesian Hierarchical Model for Blind Audio Source Separation	Y. Laufer and S. Gannot	2020 28th European Signal Processing Conference (EUSIPCO)
10.1101/2021.10.1101	https://arxiv.org/abs/2108.04553	Blind Audio Source Separation Using Two Expectation-Maximization Algorithms	A. Eisenberg, B. Schwartz and S. Gannot	2020 IEEE 30th International Workshop on Machine Learning for Signal Processing (MLSP)
	https://arxiv.org/abs/2108.04553	Conversational Agents for Intelligent Buildings	Weronika Sieńska, Nancie Gunson, Christopher D. Nugent	Proceedings of the SIGDial 2020 Conference
10.2391/2021.10.2391	https://arxiv.org/abs/2108.04553	Decoupled Direction-of-Arrival Estimations Using Relative Time-Frequency Information	Y. Hu, T. D. Abhayapala, P. N. Samarasinghe	2020 28th European Signal Processing Conference (EUSIPCO)
10.1141/2021.10.1141	https://arxiv.org/abs/2108.04553	Evaluation and Design Guidelines for Combining Open-World and Closed-World Agents	Nancie Gunson; Weronika Sieńska; Christopher D. Nugent	IVA '20: Proceedings of the 20th ACM International Conference on Intelligent Virtual Agents
	https://arxiv.org/abs/2108.04553	From two rolling shutters to one global shutter	Albi, Cenek; Kukulova, Zuzana; Larsson, Viktor	CVPR
10.1101/2021.10.1101	https://arxiv.org/abs/2108.04553	Learning Visual Voice Activity Detection with an Automaton	Guy, Sylvain; Lathuilière, Stéphane; Mesejo, David	ICPR 2020 - 25th International Conference on Pattern Recognition, Jan 2021, Milano / Virtual, Italy
10.1007/978-3-030-55541-7_10	https://arxiv.org/abs/2108.04553	Making Affine Correspondences Work in Camera Geometry	Barath, Daniel; Polic, Michal; Förstner, Wolfgang	European Conference on Computer Vision
10.5281/2021.10.5281	https://arxiv.org/abs/2108.04553	Minimal Rolling Shutter Absolute Pose with Unknown Focus	Kukulova, Zuzana; Albi, Cenek; Sugimoto, Akihiro	European Conference on Computer Vision
10.1101/2021.10.1101	https://arxiv.org/abs/2108.04553	Motion Segmentation with Pairwise Matches and Unknown Camera Parameters	Federica Arrigoni, Luca Magri, and Tomas Pajdla	2020 25th International Conference on Pattern Recognition (ICPR)
10.2391/2021.10.2391	https://arxiv.org/abs/2108.04553	Multiple Speaker Localization using Mixture of Gaussian Models	A. Bross, B. Laufer-Goldshtein and S. Gannot	2020 28th European Signal Processing Conference (EUSIPCO)
	https://arxiv.org/abs/2108.04553	Uncertainty Based Camera Model Selection	Michal Polic, Stanislav Steidl, Cenek Albi, Zuzana Kukulova	Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)
10.2146/2021.10.2146	https://arxiv.org/abs/2108.04553	A Benchmark of Dynamical Variational Autoencoders applications	Bie, Xiaoyu; Girin, Laurent; Leglaive, Simon	Interspeech 2021 - 22nd Annual Conference of the International Speech Communication Association, Aug 2021, Brno, Czech Republic. pp.1-5
10.1141/2021.10.1141	https://arxiv.org/abs/2108.04553	A Conversational AI System for Tackling Misinformation	Nancie Gunson; Weronika Sieńska; Yanchao Yu	GoodIT '21: Proceedings of the Conference on Information Technology for Social Good
	https://arxiv.org/abs/2108.04553	A Unified Objective for Novel Class Discovery	Enrico Fini, Enver Sanginetto, Stéphane Lathuilière	Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV)
10.1141/2021.10.1141	https://arxiv.org/abs/2108.04553	Combining Visual and Social Dialogue for Human-Robot Interaction	Nancie Gunson; Daniel Hernandez Garcia; Jiahui Huang	ICMI '21: Proceedings of the 2021 International Conference on Multimodal Interaction
	https://arxiv.org/abs/2108.04553	Curriculum Graph Co-Teaching for Multi-Target Domain Adaptation	Subhankar Roy, Evgeny Krivosheev, Zhun Zhong	Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)
10.2391/2021.10.2391	https://arxiv.org/abs/2108.04553	Deep Ranking-Based DOA Tracking Algorithm	R. Opochinsky, G. Chechik and S. Gannot	2021 29th European Signal Processing Conference (EUSIPCO)
	https://arxiv.org/abs/2108.04553	Intrinsic-Extrinsic Preserved GANs for Unsupervised 3D Face Generation	Haoyu Chen, Hao Tang, Henglin Shi, Wei Peng	Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV)
	https://arxiv.org/abs/2108.04553	Learning to Generalize Unseen Domains via Memory-based Generative Models	Yuyang Zhao, Zhun Zhong, Fengxiang Yang	Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)
10.1101/2021.10.1101	https://arxiv.org/abs/2108.04553	Misalignment Recognition in Acoustic Sensor Networks Using Deep Learning	Miller, Gabriel F; Brendel, Andreas; Kellermann, Peter	ICASSP
	https://arxiv.org/abs/2108.04553	MultiBodySync: Multi-Body Segmentation and Motion Estimation	Jiahui Huang, He Wang, Tolga Birdal, Minhyuk Lee	Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)

47	10.528: http://ar	Neighborhood Contrastive Learning for Novel Class Disc	Zhong, Zhun; Fini, Enrico; Subhankar Roy; Z	IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)
48	10.239: https://s	Robust Relative Transfer Function Identification on Manif	A. Sofer, T. Kounovský, J. Čmejla, Z. Koldov	2021 29th European Signal Processing Conference (EUSIPCO)
49	10.214: https://w	Scene-Agnostic Multi-Microphone Speech Dereverberatio	Yochai Yemini, Ethan Fetaya, Haggai Maron	INTERSPEECH 2021
50	10.528: http://ar	Smoothing the Disentangled Latent Style Space for Unsu	Yahui Liu; Sangineto, Enver; Yajing Chen; Li	IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)
51	http://ar	Speech enhancement with mixture-of-deep-experts with c	Chazan, Shlomo E.; Goldberger, Jacob; Gar	ICASSP
52	https://o	Synchronization of Group-Labelled Multi-Graphs	Andrea Porfiri Dal Cin, Luca Magri, Federica	Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV)
53	10.114: https://d	Towards Visual Dialogue for Human-Robot Interaction	Jose L. Part; Daniel Hernández García; Yan	HRI '21 Companion: Companion of the 2021 ACM/IEEE International Conference on Human-Robot Interaction
54	https://o	Transformer-Based Attention Networks for Continuous Pix	Guanglei Yang, Hao Tang, Mingli Ding, Nicu	Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV)
55	https://o	Viewing Graph Solvability via Cycle Consistency	Federica Arrigoni, Andrea Fusiello, Elisa Ric	Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV)
56	https://o	Why Approximate Matrix Square Root Outperforms Accur	Yue Song, Nicu Sebe, Wei Wang	Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV)