

Publication List 2020 of the Flanders AI Research Program

Publications with acknowledgement from the Program - Published or accepted for publication in 2020
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The program has four research "Grand Challenges":

AI-DRIVEN DATA
SCIENCE



AI IN THE EDGE



MULTI-AGENT
COLLABORATIVE AI



HUMAN-LIKE AI



For more info on the program, the research challenges and the contact persons:



AI FLANDERS
BUILDING OUR DIGITAL FUTURE

AI VLAANDEREN
BOUWEN AAN JE DIGITALE TOEKOMST

Partner	Publication	Grand Challenge Number
VUB	[Aamer2020a] Aamer, H., Bogaerts, B., Surinx, D., Ternovska, E., & Van den Bussche, J. (2020). Executable First-Order Queries in the Logic of Information Flows. In C. Lutz, & C. Jung (Eds.), 23rd International Conference on Database Theory (ICDT 2020) (Vol. 155, pp. 4:1-4:14). (Leibniz International Proceedings in Informatics (LIPIcs); Vol. 155). https://doi.org/10.4230/LIPIcs.ICDT.2020.4	3
VUB	[Aamer2020b] Heba Aamer, Bart Bogaerts, Dimitri Surinx, Eugenia Ternovska and Jan Van den Bussche (2020). Inputs, Outputs, and Composition in the Logic of Information Flows. In: KR 2020.	3
UGent	[Adriaens2020a] Adriaens, Florian ; Mara, Alexandru Cristian ; Lijffijt, Jefrey ; De Bie, Tijl, "Block-approximated exponential random graphs", 7th IEEE International Conference on Data Science and Advanced Analytics (DSAA 2020), Proceedings.	1
UGent	[Adriaens2020b] Adriaens, Florian ; De Bie, Tijl ; Gionis, Aristides ; Lijffijt, Jefrey ; Matakos, Antonis ; Rozenshtein, Polina, "Relaxing the strong triadic closure problem for edge strength inference", DATA MINING AND KNOWLEDGE DISCOVERY, Vol. and Number 34, pp. 611-651.	1

KULeuven	[Aerts 2020] Aerts B, Vandeveld S, Vennekens J, "Tackling the DMN Challenges with cDMN: A Tight Integration of DMN and Constraint Reasoning", in Proceedings of RuleML+RR 2020, pp. 23-38, 2020.	1
KULeuven	[Agudelo 2020] Agudelo O M, Vermeersch C, De Moor B, "Globally optimal H2-norm model reduction: A numerical linear algebra approach", Accepted for publication in the 24th International Symposium on Mathematical Theory of Networks and Systems (MTNS 2020), 2020.	1
UHasselt	[Alcaide2020] Alcaide D, Aerts J. Spanning Trees as Approximation of Data Structures. IEEE Trans Vis Comput Graph. 2020 May 19;PP. doi: 10.1109/TVCG.2020.2995465. Epub ahead of print. PMID: 32746253.	1
UGent	[Algoet2020] Algoet, Olivier ; Lefebvre, Tom ; Crevecoeur, Guillaume, "Towards accelerated robotic deployment by supervised learning of latent space observer and policy from simulated experiments with expert policies," AIM2020, 2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics, doi: 10.1109/AIM43001.2020.9158908, 2020.	1
KULeuven	[Angeli 2020] Angeli A, Naets F, Desmet W, "Deep Learning of (Periodic) Minimal Coordinates for Multibody Simulations", in Proceedings of the ASME 2020 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference, 2020.	1
VUB	[Bagheri2020] Bagheri, E., Gomez Esteban, P., Cao, H-L., De Beir, A., Lefeber, D. & Vanderborght, B., "An autonomous cognitive empathy model responsive to users' facial emotion expressions", ACM Transactions on Interactive Intelligent Systems,	3
Uantwerpen	[Bagot2020] Louis Bagot, Kevin Mets, Steven Latré, Learning Intrinsically Motivated Options to Stimulate Policy Exploration, ICML 2020 4th Lifelong Learning Workshop (LifelongML), 2020	4
Uantwerpen	[Balemans2020a] Dieter Balemans, Wim Casteels, Simon Vanneste, Jens de Hoog, Siegfried Mercelis, Peter Hellinckx. Resource efficient sensor fusion by knowledge-based network pruning. In Internet of Things, Volume 11, Pages 1-11, 2020.	2
Uantwerpen	[Balemans2020b] Dieter Balemans, Yves De Boeck, Jens de Hoog, Ali Anwar, Siegfried Mercelis, Peter Hellinckx. Towards hybrid camera sensor simulation for autonomous vehicles. In 7th International Workshop on Distributed Embedded Systems in conjunction with 15th 3PGCIC-2020 Conference, 2020.	2
VUB	[Bargiacchi2020] Bargiacchi, E., Roijsers, D.M., Nowé, A. (2020). AI-Toolbox: A C++ library for Reinforcement Learning and Planning (with Python Bindings). <i>Journal of Machine Learning Research</i> , 21(102), 1-12.	3
Uantwerpen	[Bazrafkan2021] S. Bazrafkan, Van Nieuwenhove, V., Soons, J., De Beenhouwer, J., and Sijbers, J.; To Recurse or not to Recurse A low Dose. In Porgress in Artificial Intelligence, 2021.	1

Flanders Make	[Beck2020] Rian Beck, Jeroen Willems, Edward Kikken, Sorin Bengea, Bruno Depraetere, 'Similarity assessment for efficient initialization of new controllers', 39 th Benelux Meeting on Systems and Control - Special session on Learning control	1
KULeuven	[Bekker 2020] Bekker J, Davis J, "Learning from positive and unlabeled data: a survey", Machine Learning, vol. 109, pp. 719-760, 2020.	1
UGent	[Bendimerad2020] Bendimerad, Anes ; Lijffijt, Jeffrey ; Plantevit, Marc ; Robardet, Celine ; De Bie, Tijl, "Gibbs sampling subjectively interesting tiles", 18th International Symposium on Intelligent Data Analysis, IDA 2020, pp. 80-92	1
VUB	[Berenguer2020a] Abel Díaz Berenguer, Mitchel Alioscha-Perez, Meshia Cedric Oveneke and Hichem Sahli, "Context-aware human trajectories prediction via latent variational model," 2020, in IEEE Transactions on Circuits and Systems for Video Technology, doi: 10.1109/TCSVT.2020.3014869	4
KULeuven	[Berman 2020a] Berman M, Blaschko M, "Discriminative training of conditional random fields with probably submodular constraints", International Journal of Computer Vision, 2020. https://doi.org/10.1007/s11263-019-01277-y	1
KULeuven	[Berman 2020b] Berman M, Pishchulin L, Xu N, Blaschko M B, Medioni G, "AOWS: Adaptive and Optimal Network Width Search with Latency Constraints", In proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2020.	1
VUB	[Bogaerts2020] B Bogaerts, E Gamba, J Claes, T Guns: Step-wise explanations of constraint satisfaction problems. 24th European Conference on Artificial Intelligence (ECAI 2020)	4
UGent	[Browaeys2020] Browaeys, Robin ; Saelens, Wouter ; Saeys, Yvan, "NicheNet : modeling intercellular communication by linking ligands to target genes", NATURE METHODS, Vol. and Number 17-2, pp. 159-162.	1
Uantwerpen	[Bui2020] Bui Thi Danh, Meysman Pieter, Laukens Kris. Clustering association rules to build beliefs and discover unexpected patterns. Applied intelligence, Volume 50, pages 1943–1954, 2020.	1
UGent	[Buyl2020] Buyl, Maarten ; De Bie, Tijl, "DeBayes : a Bayesian method for debiasing network embeddings", Proceedings of the 37th International Conference on Machine Learning, Vol. and Number 119, pp. 1220-1229	1
VUB	[Cao2020] Cao, H. L., Simut, R. E., Desmet, N., De Beir, A., Van De Perre, G., Vanderborght, B., & Vanderfaeillie, J. (2020). Robot-assisted joint attention: A comparative study between children with autism spectrum disorder and typically developing children in interaction with NAO. <i>IEEE Access</i> .	3
KULeuven	[Carbonnelle 2020] Carbonnelle P, Vennekens J, Denecker M, Bogaerts B, "Interactive Configuration Problems in Observable Environments", IJCAI : proceedings of the conference / sponsored by the International Joint Conferences on Artificial Intelligence, International Conference on Principles of Knowledge Representation and Reasoning, 2020.	1

VUB	[Caspar2020] Caspar, E. A., De Beir, A., Lauwers, G., Cleeremans, A., & Vanderborght, B. (2021). How using brain-machine interfaces influences the human sense of agency. <i>Plos one</i> , 16 (1), e0245191.	3
Uantwerpen	[Cassimon2020] Thomas Cassimon, Simon Vanneste, Stig Bosmans, Siegfried Mercelis, Peter Hellinckx. Designing resource-constrained neural networks using neural architecture search targeting embedded devices. In <i>Internet of Things, Volume 12, Pages 1-16, 2020.</i>	2
KULeuven	[Castro 2020] Castro I, Patel A, Deviaene M, Huysmans D, Borzee P, Buyse B, Testelmans D, Van Huffel S, Varon C, Torfs T, "Unobtrusive, Through-Clothing ECG and Bioimpedance Monitoring in Sleep Apnea Patients", in <i>Proceedings of the 47th Annual Computing In Cardiology Conference (CinC 2020)</i> , pp. 1-4, 2020.	1
UGent	[Catal2020a] Catal, Ozan ; Verbelen, Tim ; Nauta, Johannes ; De Boom, Cedric ; Dhoedt, Bart, "Learning perception and planning with deep active inference", <i>ICASSP 2020 - 2020 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)</i> , pp. 3952-3956.	2
UGent	[Catal2020b] Catal, Ozan ; Wauthier, Samuel ; De Boom, Cedric ; Verbelen, Tim ; Dhoedt, Bart, "Learning Generative State Space Models for Active Inference", <i>FRONTIERS IN COMPUTATIONAL NEUROSCIENCE</i> , Vol. and Number 14.	2
UGent	[Catal2020c] Catal, Ozan ; Wauthier, Samuel ; Verbelen, Tim ; De Boom, Cedric ; Dhoedt, Bart, "Deep active inference for autonomous robot navigation", the <i>Bridging AI and Cognitive Science (BAICS) Workshop 2020, Proceedings.</i>	2
KULeuven	[Chandrasekharan 2020] Chandrasekharan R C, Smet P, Wauters T, "An automatic constructive matheuristic for the shift minimization personnel task scheduling problem", <i>Journal of Heuristics</i> , 2020.	1
KULeuven	[Chatzichristos 2020] Chatzichristos C, Dan J, Narayanan M, Seeuws N, Vandecasteele K, De Vos M, Bertrand A, Van Huffel S, "Epileptic Seizure Detection in EEG via Fusion of Multi-View Attention-Gated U-net Deep Neural Networks", in <i>Proceedings of the 2020 IEEE Signal Processing in Medicine and Biology Symposium</i>	1
KULeuven	[Crabbe 2020] Crabbe M, Weerasekera A, Tomé S, Gsell W, Sima D, Casteels C, Dresselaers T, Deroose C, Van Huffel S, Thal D, Van Damme P, Himmelreich U, "Non-invasive characterization of amyotrophic lateral sclerosis in a hTDP-43(A315T) mouse model : a PET-MR study", <i>Neuroimage-Clinical</i> , vol. 27, 2020.	1
VUB	[Creten2020] Creten, S., Dekker, P., & Vandeghinste, V. (2020). Linguistic Enrichment of Historical Dutch using Deep Learning. <i>Computational Linguistics in the Netherlands Journal</i> , 10, 57-72.	3
KULeuven	[Das 2020] Das N, Zegers J, Van Hamme H, Francart T, Bertrand A, "Linear versus deep learning methods for noisy speech separation for EEG-informed attention decoding", <i>JOURNAL OF NEURAL ENGINEERING</i> , vol. 17/4, pp. 1-16, 2020.	1

KULeuven	[De Canniere 2020a] De Canniere H, Corradi F, Smeets C, Schoutteten M, Varon C, Van Hoof C, Van Huffel S, Groenendaal W, Vandervoort P, "Wearable monitoring and interpretable machine learning can objectively track progression in patients during cardiac rehabilitation", Sensors, 2020.	1
KULeuven	[De Canniere 2020b] De Canniere H, Smeets CJ P, Schoutteten M, Varon C, Van Hoof C, Van Huffel S, Groenendaal W, Vandervoort P, "Using Biosensors and Digital Biomarkers to Assess Response to Cardiac Rehabilitation: Observational Study", JOURNAL OF MEDICAL INTERNET RESEARCH, vol. 22/5, pp. , 2020.	1
KULeuven	[De Canniere 2020c] De Canniere H, Smeets CJ P, Schoutteten M, Varon C, Morales Tellez J, Van Hoof C, Van Huffel S, Groenendaal W, Vandervoort P, "Short-term exercise progression of cardiovascular patients throughout cardiac rehabilitation : An observational study", Journal Of Clinical Medicine, vol. 9/10, pp. 1 - 17, 2020.	1
KULeuven	[De Cock 2020] De Cock K, De Moor B, "Multiparameter Eigenvalue Problems and Shift-invariance", Accepted for publication in the 24th International Symposium on Mathematical Theory of Networks and Systems (MTNS 2020), 2020.	1
UGent	[De Coninck2020] De Coninck, Elias ; Verbelen, Tim ; Van Molle, Pieter ; Simoens, Pieter ; Dhoedt, Bart, "Learning robots to grasp by demonstration", ROBOTICS AND AUTONOMOUS SYSTEMS, Vol. and Number 127.	2
KULeuven	[De Cooman 2020] De Cooman T, Vandecasteele K, Varon C, Hunyadi B, Cleeren E, Van Paesschen W, Van Huffel S, "Personalizing Heart Rate-Based Seizure Detection Using Supervised SVM Transfer Learning", Frontiers In Neurology, vol. 11/145, 2020.	1
KULeuven	[De Meulemeester 2020] De Meulemeester H, De Moor B, "Unsupervised Embeddings for Categorical Variables", in Proceedings of the 2020 International Joint Conference on Neural Networks (IJCNN 2020), 2020.	1
KULeuven	[De Moor 2020] De Moor B, "Least squares optimal realisation of autonomous LTI systems is an eigenvalue problem", Communications in Information and systems, vol. 20/2, pp. 163-207, 2020.	1
KULeuven	[De Plaen 2020] De Plaen H, Fanuel M, Suykens J, "Wasserstein Exponential Kernels", in Proceedings of the 2020 International Joint Conference on Neural Networks (IJCNN 2020), 2020.	1
Uantwerpen	[DeBruyn2020] Maxime De Bruyn, Ehsan Lotfi, Jeska Buhmann, Walter Daelemans. BART for Knowledge Grounded Conversations. In proceedings of KDD Workshop on Conversational Systems Towards Mainstream Adoption, 2020.	4
UGent	[Delanghe2020] Delanghe, Rémi ; Van Steenkiste, Tom ; Couckuyt, Ivo ; Deschrijver, Dirk ; Dhaene, Tom, "A Bayesian optimisation procedure for estimating optimal trajectories in electromagnetic compliance testing", 1st International Electronic Conference - Futuristic Applications on Electronics, pp. 1-11.	1
KULeuven	[Delobelle 2020a] Delobelle P, Winters T, Berendt B, "RobBERT: a Dutch RoBERTa-based Language Model", in Proceedings of the EMNLP 2020 Conference on Empirical Methods in Natural Language Processing, pp. 3255-3265, 2020.	1

KULeuven	[Delobelle 2020b] Delobelle P, Temple P, Perrouin G, Frénay B, Heymans P, 23rd International Conference o Berendt B, "Ethical Adversaries: Towards Mitigating Unfairness with Adversarial Machine Learning", in Proceedings of the Bias and Fairness in AI Workshop at ECML-PKDD (BIAS 2020), European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases,	1
UGent	[Demeester2020] Demeester, Thomas, "System identification with time-aware neural sequence models", 34th AAAI conference on Artificial Intelligence (AAAI2020), Proceedings, pp. 1-8.	4
UGent	[Deng2020a] Deng, Junning ; Kang, Bo ; Lijffijt, Jeffrey ; De Bie, Tijl, "Explainable subgraphs with surprising densities : a subgroup discovery approach", SIAM International Conference on Data Mining (SDM20) : proceedings.	1
UGent	[Deng2020b] Deng, Junning ; Kang, Bo ; Lijffijt, Jeffrey ; De Bie, Tijl, "Mining explainable local and global subgraph patterns with surprising densities", DATA MINING AND KNOWLEDGE DISCOVERY.	1
Uantwerpen	[DePauw2020] Joey De Pauw. Exploratory Methods for Evaluating Recommender Systems. Proceedings of the 14th ACM Conference on Recommender Systems. 2020.	1
KULeuven	[Derkinderen 2020] Derkinderen V, De Raedt L, "Algebraic Circuits for Decision Theoretic Inference and Learning", in Proceedings of the 24th European Conference on Artificial Intelligence, pp. 2569-2576, 2020.	1
KULeuven	[Deruyttere 2020a] Deruyttere T, Collell G, Moens M F, "Giving Commands to a Self-driving Car: A Multimodal Reasoner for Visual Grounding", In Proceedings of the AAAI 2020 Reasoning for Complex Question Answering Workshop, 2020	4
KULeuven	[Deruyttere 2020b] Deruyttere T, Vandenhende S, Grujicic D, Liu Y, Van Gool L, Blaschko M, Tuytelaars T, Moens M F, "Commands 4 Autonomous Vehicles (C4AV) Workshop Summary", In Proceedings of the Workshops of the 16th European Conference on Computer Vision, Springer, 2020	4
UGent	[Deschepper2020] Deschepper, Mieke; Waegeman, Willem; Vogelaers, Dirk; Eeckloo Kristof, "Using structured pathology data to predict hospital-wide mortality at admission", PLOS One, Vol. 15-6.	11
Sirris	[Dhont 2020a] M. Dhont, E. Tsiorkova, V. Boeva, <i>Layered Integration Approach for Multi-view Analysis of Temporal Data</i> , Proceedings of the Fifth ECML-PKDD Workshop on Advanced Analytics and Learning on Temporal Data (AALTD 2020), Ghent, Belgium, September 18, 2020	1
Sirris	[Dhont 2020b] M. Dhont, E. Tsiorkova, T. Tourwé, N. González-Deleito, <i>Visual Analytics for Extracting Trends from Spatio-temporal Data</i> , Proceedings of the Fifth ECML-PKDD Workshop on Advanced Analytics and Learning on Temporal Data (AALTD 2020), Ghent, Belgium, September 18, 2020	1
Sirris	[Dhont 2020c] M. Dhont, R. Verbeke, C. Droutsas, V. Boeva, M. Verbeke, A. Murgia, E. Tsiorkova, <i>Advanced exploration of wind fleet data through operating mode labelling</i> , Renewable Energy Sources - Research and Business (RESRB) 2020, Brussels, Belgium, 2020 (abstract)	1

KULeuven	[Diba 2020] Diba A, Fayyaz M, Sharma V, Paluri M, Gall J, Stiefelhagen R, Van Gool L, "Large scale holistic video understanding", ECCV 2020.	4
UGent	[Dimitrievski2020a] Dimitrievski, Martin ; Van Hamme, David ; Veelaert, Peter ; Philips, Wilfried, "Cooperative multi-sensor tracking of vulnerable road users in the presence of missing detections", SENSORS, Vol. and Number 20-17.	2
UGent	[Dimitrievski2020b] Dimitrievski, Martin ; Shopovska, Ivana ; Van Hamme, David ; Veelaert, Peter ; Philips, Wilfried, "Weakly supervised deep learning method for vulnerable road user detection in FMCW radar", 23rd IEEE Intelligent Transportation Systems Conference (ITSC), pp. 1-8.	2
KULeuven	[Domanov 2020a] Domanov I, De Lathauwer L, "From computation to comparison of tensor decompositions", Accepted for publication in SIAM Journal on Matrix Analysis And Applications, 2020.	1
KULeuven	[Domanov 2020b] Domanov I, De Lathauwer L, "On uniqueness and computation of the decomposition of a tensor into multilinear rank- r terms", SIAM Journal on Matrix Analysis And Applications, vol. 41/2, pp. 747-803, 2020.	1
VUB	[Domingos2020] Domingos, E. F., Grujić, J., Burguillo, J. C., Kirchsteiger, G., Santos, F. C., & Lenaerts, T. (2020). Timing uncertainty in collective risk dilemmas encourages group reciprocation and polarization. <i>iScience</i> , 23(12), [101752]. https://doi.org/10.1016/j.isci.2020.101752	3
KULeuven	[Eelbode 2020] Eelbode T, Bertels J, Berman M, Vandermeulen D, Maes F, Bisschops R, Blaschko M B, "Evaluation with Dice score and Jaccard index for Medical Image Segmentation: Optimization in Theory and Practice", IEEE Transactions on Medical Imaging, 2020. https://dx.doi.org/10.1109/TMI.2020.3002417	1
UGent	[Eqlimi2020] Eqlimi, E.; Bockstael, Annelies; De Coensel, Bert; Schönwiesner, M.; Talsma, D.; Botteldooren, Dick, "EEG correlates of learning from speech presented in environmental noise", <i>Frontiers in Psychology</i> , Vol. 11.	4
Uantwerpen	[Eyckerman2020a] Reinout Eyckerman, Thomas Huybrechts, Raf Van den Langenbergh, Wim Casteels, Siegfried Mercelis, Peter Hellinckx. Towards the Generalization of Distributed Software Communication. In proceedings of the 15th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC-2020), 2020.	2
Uantwerpen	[Eyckerman2020b] Eyckerman Reinout, Mercelis Siegfried, Marquez-Barja Johann, Hellinckx Peter, Requirements for distributed task placement in the fog. <i>Internet of Things</i> , 2020, 100237, Volume 12	2
KULeuven	[Fu 2020] Fu X, Vervliet N, De Lathauwer L, Huang K, Gillis N, "Nonconvex optimization tools for large-scale matrix and tensor decomposition with structured factors", <i>IEEE Signal Processing Magazine</i> , vol. , pp. 78-94, 2020.	1
KULeuven	[Galindez 2020] Galindez Olascoaga L I, Meert W, Shah N, Van den Broeck G, Verhelst M," Discriminative Bias for Learning Probabilistic Sentential Decision Diagrams", in <i>Proceedings of Advances in Intelligent Data Analysis XVIII</i> , vol. 12080, pp. 184-196, 2020	2

UGent	[Garbuglia2020] Garbuglia, Federico ; Spina, Domenico ; Deschrijver, Dirk ; Dhaene, Tom, "Evaluation of generative modeling techniques for frequency responses", 1st International Electronic Conference - Futuristic Applications on Electronics, pp. 1-7.	1
KULeuven	[Geirnaert 2020] Geirnaert S, Francart T, Bertrand A, "Fast EEG-based decoding of the directional focus of auditory attention using common spatial patterns", IEEE Transactions on Biomedical Engineering, vol. (online - IEEE Early access), 2020.	1
VUB	[Grujic2020] Grujić, J. and Lenaerts, T., 2020. Do people imitate when making decisions? Evidence from a spatial Prisoner's Dilemma experiment. <i>Royal Society Open Science</i> , 7 (7), p.200618.	3
KULeuven	[Grujic 2020a] Grujic D, Radevski G, Tuytelaars T, Blaschko M B, "Self-supervised context-aware Covid-19 document exploration through atlas grounding", ACL Workshop on Natural Language Processing for COVID-19, 2020.	1,4
KULeuven	[Grujic 2020b] Grujic D., Radevski G, Tuytelaars T, Blaschko M B, "Learning to ground medical text in a 3D human atlas", the SIGNLL Conference on Computational Natural Language Learning, 2020.	1,4
UGent	[Haxhibeqiri2020] Haxhibeqiri, J. ; Isolani, P.H. ; Marquez-Barja, J.M. ; Moerman I. ; Hoebeke J., "In-band Network Monitoring Technique to support SDN-based Wireless Networks", IEEE Transactions on Network and Service Management (TNSM), DOI: 10.1109/TNSM.2020.3044415	2
UHasselt	[Heller2020] Florian Heller, Jelco Adamczyk, and Kris Luyten. 2020. Attraction: Field Evaluation of Multi-Track Audio as Unobtrusive Cues for Pedestrian Navigation. In 22nd International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI '20). Association for Computing Machinery, New York, NY, USA, Article 21, 1–7. DOI: https://doi.org/10.1145/3379503.3403546	4
KULeuven	[Hemelings 2020] Hemelings R, Elen B, Blaschko M B, Jacob J, Stalmans I, De Boever P, "Pathological myopia classification with simultaneous lesion segmentation using deep learning", arXiv:2006.02813, 2020. Submitted for journal publication.	1
KULeuven	[Hendrickx 2020] Hendrickx K, Meert W, Mollet Y, Gyselinck J, Cornelis B, Gryllias K, Davis J, "A general anomaly detection framework for fleet-based condition monitoring of machines", Mechanical Systems and Signal Processing, vol. 139, 2020.	1
KULeuven	[Hendrickx 2020] Hendrickx K, Meert W, Mollet Y, Gyselinck J, Cornelis B, Gryllias K, Davis J. "A general anomaly detection framework for fleet-based condition monitoring of machines", Mechanical Systems And Signal Processing, 2020.	1
KULeuven	[Houshmand 2020] Houshmand P, Cosemans S, Mei L, Papistas I, Bhattacharjee D, De	2
imec	[Houshmand2020] Pouya Houshmand, Stefan Cosemans, Linyan Mei, Ioannis Papistas, Debjyoti Bhattacharjee, Peter Debacker, "Opportunities and Limitations of Emerging Analog in-Memory Compute DNN Architectures", IEDM 2020	2
KULeuven	[Houthuys 2020] Houthuys L, Suykens J, "Tensor-based Restricted Kernel Machines for Multi-View Classification", Accepted for publication in Information Fusion, 2020.	1

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VUB	[Huong2020] Huong, V. T. T., Dong, D., Cao, H-L., Verstraten, T., Lefeber, D., Vanderborght, B., & Geeroms, J. (2020). A review of gait phase detection algorithms for lower limb prostheses. Sensors, 20(14), 1-19. https://doi.org/10.3390/s20143972	3
Uantwerpen	[Hutsebaut-Buysse2020a] Matthias Hutsebaut-Buysse, Kevin Mets, Steven Latré. Language Grounded Task-Adaptation in Reinforcement Learning, 28th European Symposium on Artificial Neural Networks, Computational Intelligence and Machine Learning (ESANN 2020), 2020.	4
Uantwerpen	[Hutsebaut-Buysse2020b] Matthias Hutsebaut-Buysse, Kevin Mets, Steven Latré. Pre-trained Word Embeddings for Goal-conditional Transfer Learning in Reinforcement Learning, ICML 2020 Language in Reinforcement Learning Workshop (LaRel), 2020.	4
Uantwerpen	[Huybrechts2020] Thomas Huybrechts, Siegfried Mercelis, Peter Hellinckx. A survey on the software and hardware-based influences on the worst-case execution time. In proceedings of the 15th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC-2020), 2020.	2
KULeuven	[Huysmans 2020] Huysmans D, Heffinck E, Castro I, Deviaene M, Borzee P, Buyse B, Testelmans D, Van Huffel S, Varon C , "Sleep-Wake Classification for Home Monitoring of Sleep Apnea Patients", in Proceedings of the 47th Annual Computing In Cardiology Conference (CinC 2020), pp. 1-4, 2020.	1
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