

1-D Convolutional Neural Networks for Signal Processing Applications

Kiranyaz, S., Ince, T., Abdeljaber, O., Avci, O. & Gabbouj, M., 1 May 2019, *2019 IEEE International Conference on Acoustics, Speech, and Signal Processing, ICASSP 2019 - Proceedings*. IEEE, p. 8360-8364 5 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

2nd international workshop on pervasive eye tracking and mobile eye-based interaction (PETMEI 2012): Proposal for a workshop (mini-track) at UbiComp 2012

Bulling, A., Brône, G., Cheng, S. & Majaranta, P., 2012, *UbiComp'12 - Proceedings of the 2012 ACM Conference on Ubiquitous Computing*. p. 673-676 4 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

A comparison of security assurance support of agile software development methods

Rindell, K., Hyrynsalmi, S. & Leppänen, V., 25 Jun 2015, *Computer Systems and Technologies - 16th International Conference, CompSysTech 2015: Proceedings*. Association for Computing Machinery, Vol. 1008. p. 61-68 8 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

A computational approach to construct a multivariate complete graph invariant

Dehmer, M., Emmert-Streib, F. & Grabner, M., 1 Mar 2014, In : *Information Sciences*. 260, p. 200-208 9 p.

Research output: Contribution to journal › Article › Scientific › peer-review

A convolutional neural network approach for acoustic scene classification

Valenti, M., Squartini, S., Diment, A., Parascandolo, G. & Virtanen, T., 30 Jun 2017, *2017 International Joint Conference on Neural Networks, IJCNN 2017*. IEEE, p. 1547-1554 8 p.

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Action-Oriented Programming Model: Collective Executions and Interactions in the Fog

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Research output: Contribution to journal › Article › Scientific › peer-review

A custom processor for protocol-independent packet parsing

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Research output: Contribution to journal › Article › Scientific › peer-review

Adaptive Normalization for Forecasting Limit Order Book Data Using Convolutional Neural Networks

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Adaptive spatial resolution selection for stereoscopic video compression with MV-HEVC: A frequency based approach

Aflaki, P., Hannuksela, M. M. & Gabbouj, M., 5 Feb 2015, *2014 IEEE International Symposium on Multimedia, ISM 2014, 10-12 Dec. 2014, Taichung*. The Institute of Electrical and Electronics Engineers, Inc., p. 267-270 4 p.

Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

A Dataset for Camera Independent Color Constancy

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Research output: Contribution to journal › Article › Scientific › peer-review

Additional lossless compression of JPEG images based on BPG

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

A design framework for mapping vectorized synchronous dataflow graphs onto CPU-GPU platforms

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

A design tool for high performance image processing on multicore platforms

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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A joint target localization and classification framework for sensor networks

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

A k-nearest neighbor multilabel ranking algorithm with application to content-based image retrieval

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A lightweight many-to-many authentication protocol for near field communications

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

A Mixed Finite Element Method to Solve the EEG Forward Problem

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A model-based schedule representation for heterogeneous mapping of dataflow graphs

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

A movable immaterial volumetric display

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A multi-agent approach for processing industrial enterprise data

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An accumulative fusion architecture for discriminating people and vehicles using acoustic and seismic signals

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An algebraic approach to reducing the number of variables of incompletely defined discrete functions

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Analysis of an efficient parallel implementation of active-set Newton algorithm

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Analytical model in discrete time for cross-layer video communication over LTE

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An approach to production scheduling optimization a case of an oil lubrication and hydraulic systems manufacturer

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An Assessment of Errors and Their Reduction in Terrestrial Laser Scanner Measurements in Marmorean Surfaces

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An evaluation framework for cross-platform mobile app development tools: A case analysis of adobe PhoneGap framework

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

An evaluation of the virtual curvature with the StickGrip haptic device: A case study

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Research output: Contribution to journal › Article › Scientific › peer-review

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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Research output: Contribution to journal › Article › Scientific › peer-review

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

A simulation case study of production planning and control in printed wiring board manufacturing

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Automatic word count estimation from daylong child-centered recordings in various language environments using language-independent syllabification of speech

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Research output: Contribution to journal > Article > Scientific > peer-review

Backshoring of production in the context of a small and open Nordic economy

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Briefing news reporting with mobile assignments - Perceptions, needs and challenges

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

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Research output: Chapter in Book/Report/Conference proceeding › Conference contribution › Scientific › peer-review

Censor-Based Cooperative Multi-Antenna Spectrum Sensing with Imperfect Reporting Channels

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Research output: Contribution to journal › Article › Scientific › peer-review

Challenges and recommended practices for software architecting in global software development

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Challenges of Multi-Factor Authentication for Securing Advanced IoT Applications

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Checking visual data flow programs with finite process models

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Children designing videos: Tools, pedagogical models, and best practices for digital storytelling and media-making in the classroom

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Classification of iPSC colony images using hierarchical strategies with support vector machines

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Co-creating digital services for citizens: Activity theory analysis

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Code notes: Designing a low-cost tangible coding tool for/with children

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Collaboration change in enterprise software development

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Collaborative cloud-based management of home networks

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Collaborative navigation in virtual worlds: How gender and game experience influence user behavior

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