

The 11th International Conference on Computer Recognition Systems

20-22 May 2019 Polanica-Zdroj, Poland



Wrocław University
of Science and Technology

20th May 2019

12.00 – 13.00 | Registration of participants
Check In of a Hotel

13.00 – 14.00 | Lunch

14.00 – 14.15 | Opening Ceremony

14.15 – 15.00 | Plenary Session 1 - Chair: Prof. Marek Kurzyński
Graph grammar models in syntactic pattern recognition
Prof. Mariusz Flasiński

15.15 – 16.00 | Plenary Session 2 - Chair: Prof. Michał Woźniak
Machine learning approach in biometrics and medicine
Prof. Piotr Porwik

16.00 – 16.15 | Coffee break

16.15 – 18.15 | Session 1 - Chair: Prof. Krzysztof Okarma
Improving the quality of clustering-based diagnostic rules by lowering dimension of the cluster prototypes
Sebastian Porębski

Vertical and Horizontal Data Partitioning for Classifier Ensemble Learning
Amgad Elsayed

Segmentation of scanned documents using deep-learning approach
Paweł Forczmanski

Feature Extraction and Classification of Sensor Signals in Cars Based on a Modified Codebook Approach
Hawzhin Hozhabr Pour

Image contrast enhancement based on Laplacian-of-Gaussian filter combined with morphological reconstruction
Marcin Iwanowski

19.00 | Social event – Bonfire, Hotel Polanica Resort & SPA

21th May 2019

8.30 – 10.00 | Session 2 - Chair: Prof. Piotr Porwik
Speech Separation Based on EGG from Speech Interference
Lijiang Chen

Exploiting Label Interdependencies in Multi-Label Classification
Kinga Glinka

Toward Shareable Multi-Abstraction-Level Feature Extractor Based on a Bayesian Network
Kaneharu Nishino

A Deep Learning Approach to Recognition of the Atmospheric Circulation Regimes
Ekaterina Fedotova

Deep Learning for Object Tracking in 360 Degree Videos
Ahmad Delforouzi

8.30 – 10.00 | Session 3 - Chair: Prof. Adam Krzyżak

Object Detection in Design Diagrams with Machine Learning
Jukka K. Nurminen

Segmentation of Subretinal Hyperreflective Material and Pigment Epithelial Detachment Using Kernel Graph Cut
Melinda Katona

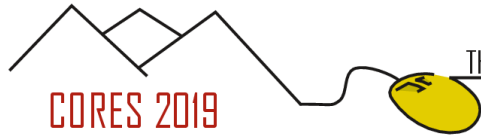
Segmentation of scanned documents using deep-learning approach
Raid Al-Nima

Online Adaptation of Language Models for Speech Recognition
Vu Dang

10.15 – 10.30 | Coffee break

10.30 – 11.15 | Plenary Session 3 - Chair: Prof. Robert Burduk

Computer vision methods for non-destructive quality assessment in additive manufacturing
Prof. Krzysztof Okarma



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11.15 – 11.30 | Coffee break

11.30 – 13.00 | Session 4 - Chair: Prof. Michał Choraś

Randomized Reference Classifier with Gaussian Distribution and Soft Confusion Matrix Applied to the Improving Weak Classifiers

Paweł Trajdos

Introducing Action Planning to the Anticipatory Classifier System ACS2

Olgierd Unold

Supervised classification box algorithm based on graph partitioning

Ventzeslav Valev

Evaluation of A Feature Set with Word Embeddings to Improve Named Entity Recognition on Tweets

Onur Buyuktopac

Singing Power Ratio analysis in the context of the influence of worm up on singing voice quality

Edward Pótrolniczak

11.30 – 13.00 | Session 5 - Chair: Prof. Manuel Grana

Lattice Auto-Associative Memories Induced Multivariate Morphology for Hyperspectral Image Spectral-Spatial Classification

Manuel Grana

Deep-based Openset Classification Technique and its Application in Novel Food Categories Recognition

Jakramate Bootkrajang

Image Smoothing Using l^p Penalty, for $0 \leq p \leq 1$, with use of Alternating Minimization Algorithm

Jacek Klimaszewski

New heuristics for TCP retransmission timers

Robert Janowski

13.00 – 14.00 | Lunch

14.00 – 19.00 | Social event – Excursion, Stolowe Mountains

https://www.pngs.com.pl/index_gb.html

19.00 – | Social event - Gala dinner, Hotel Polanica Resort & SPA

22th May 2019

9.00 – 10.30 | Poster session - Chair: Dr Maciej Smiatacz

Fault-Prone Software Classes Recognition via Artificial Neural Network with Granular Dataset Balancing

Marek Pawlicki

Factorization Machines for the Blog Feedback Prediction Task

Krisztian Buza

cGAAM – an algorithm for simultaneous feature selection and clustering

Izabela Rejer

Texture features for the detection of playback attacks: towards a robust solution

Maciej Smiatacz

Pedestrian detection in severe lighting conditions: comparative study of human performance vs thermal-imaging-based automatic system

Adam Nowosielski

Algorithm of Principal Component Analysis PCA with Fuzzy Observation of Facility Features Detection of Carcinoma Cells Multiple Myeloma

Mariusz Topolski

A new benchmark collection for driver fatigue research based on thermal, depth map and visible light imagery

Krzysztof Małecki

Hybrid algorithm for the detection and recognition of railway signs

Ewelina Chołodowicz

Combination of linear classifiers using score function --analysis of possible combination strategies

Robert Burduk

Multi Sampling Random Subspace Ensemble for Imbalanced Data Stream Classification

Jakub Klikowski

10.30 – 10.45 | Coffee break

10.45 – 11.00 | Closing ceremony

11.00 – 12.00 | Check Out of a Hotel

12.30 – 13.30 | Lunch