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Preface

Discovering nature's rules and their applications to automatize decision making is still a focus of intense research. Nowadays, there are lots of works focus on developing accurate pattern recognition algorithms. Meanwhile, such methods are implemented in the form of computer software and applied in many practical areas, including character and speech recognition, biometry, machine vision, video surveillance, computer-aided medical diagnosis, etc. This observation encourages us to report current research progress of computer recognition systems with respect to both methodology and applications. This book contains a collection of 36 carefully selected articles contributed by experts of pattern recognition, which focus on topics related to pattern recognition, image analysis, computer vision, speech recognition, feature extraction, deep learning, and compound pattern classifiers. Editors would like to express their deep thanks to authors for their valuable submissions and all reviewers for their hard work. We believe that "Progress in Computer Recognition Systems" could be a great reference tool for scientists who deal with the problems of designing computer pattern recognition systems. Although the last, not least we would like to give special thanks to our colleagues Ms. Barbara Bobowska, Dr. Paweł, Trajdos, and Mr. Pawel Zyblewski, who assisted us to finish this book. We would like also to fully acknowledge the support from the Wrocław University of Technology, especially Prof. Andrzej Kasprzak—Chair of Department of Systems and Computer Networks which has also supported this volume.

May 2019

Robert Burduk
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Contents

Graph Grammar Models in Syntactic Pattern Recognition 1
Mariusz Flasiński

Computer Vision Methods for Non-destructive Quality Assessment in Additive Manufacturing 11
Krzysztof Okarma and Jarosław Fastowicz

Combined *k*NN Classifier for Classification of Incomplete Data 21
Tomasz Orczyk, Rafal Doroz, and Piotr Porwik

Object Detection in Design Diagrams with Machine Learning 27
Jukka K. Nurminen, Kari Rainio, Jukka-Pekka Numminen, Timo Syrjänen, Niklas Paganus, and Karri Honkoila

Separation of Speech from Speech Interference Based on EGG 37
Lijiang Chen, Lin Sun, and Xia Mao

Improving the Quality of Clustering-Based Diagnostic Rules by Lowering Dimension of the Cluster Prototypes 47
Sebastian Porebski and Ewa Straszecka

Exploiting Label Interdependencies in Multi-label Classification 57
Kinga Glinka, Agnieszka Wosiak, and Danuta Zakrzewska

Toward Shareable Multi-abstraction-level Feature Extractor Based on a Bayesian Network 67
Kaneharu Nishino, Hiroshi Tezuka, and Mary Inaba

Factorization Machines for Blog Feedback Prediction 79
Krisztian Buza and Tomaš Horváth

Vertical and Horizontal Data Partitioning for Classifier Ensemble Learning 86
Amgad M. Mohammed, Enrique Onieva, and Michał Woźniak

Segmentation of Subretinal Hyperreflective Material and Pigment Epithelial Detachment Using Kernel Graph Cut 98
Melinda Katona, Attila Kovács, Rózsa Dégi, and László G. Nyúl

Road Tracking Using Deep Reinforcement Learning for Self-driving Car Applications 106
Raid Rafi Omar Al-Nima, Tingting Han, and Taolue Chen

New Heuristics for TCP Retransmission Timers 117
Robert Janowski, Michał Grabowski, and Piotr Arabas

Fault-Prone Software Classes Recognition via Artificial Neural Network with Granular Dataset Balancing 130
Marek Pawlicki, Agata Giełczyk, Rafał Kozik, and Michał Choraś

Segmentation of Scanned Documents Using Deep-Learning Approach 141
Paweł Forczmański, Anton Smoliński, Adam Nowosielski, and Krzysztof Małecki

cGAAM – An Algorithm for Simultaneous Feature Selection and Clustering 153
Izabela Rejer

Online Adaptation of Language Models for Speech Recognition 164
Dang Hoang Vu, Van Huy Nguyen, and Phuong Le-Hong

Pedestrian Detection in Severe Lighting Conditions: Comparative Study of Human Performance vs Thermal-Imaging-Based Automatic System 174
Adam Nowosielski, Krzysztof Małecki, Paweł Forczmański, and Anton Smoliński

Feature Extraction and Classification of Sensor Signals in Cars Based on a Modified Codebook Approach 184
Hawzhin Hozhabr Pour, Lukas Wegmeth, Alexander Kordes, Marcin Grzegorzek, and Roland Wismüller

A Deep Learning Approach to Recognition of the Atmospheric Circulation Regimes 195
Victor Luferov and Ekaterina Fedotova

Deep Learning for Object Tracking in 360 Degree Videos 205
Ahmad Delforouzi, David Holighaus, and Marcin Grzegorzek

Texture Features for the Detection of Playback Attacks: Towards a Robust Solution 214
Maciej Smiatacz

Image Smoothing Using ℓ^p Penalty for $0 \leq p \leq 1$ with Use of Alternating Minimization Algorithm 224
Jacek Klimaszewski and Marcin Korzeń

Deep-Based Openset Classification Technique and Its Application in Novel Food Categories Recognition 235
Jakramate Bootkrajang, Jakarin Chawachat, and Eakkapap Trakulsanguan

Singing Power Ratio Analysis in the Context of the Influence of Warm up on Singing Voice Quality 246
Edward Półrolniczak

Evaluation of a Feature Set with Word Embeddings to Improve Named Entity Recognition on Tweets 255
Onur Büyüktopaç and Tankut Acarman

Introducing Action Planning to the Anticipatory Classifier System ACS2 264
Olgierd Unold, Edyta Rogula, and Norbert Kozłowski

Supervised Classification Box Algorithm Based on Graph Partitioning 276
Ventzeslav Valev, Nicola Yanev, Adam Krzyżak, and Karima Ben Suliman

Algorithm of Multidimensional Analysis of Main Features of PCA with Blurry Observation of Facility Features Detection of Carcinoma Cells Multiple Myeloma 286
Mariusz Topolski

A New Benchmark Collection for Driver Fatigue Research Based on Thermal, Depth Map and Visible Light Imagery 295
Krzysztof Małecki, Paweł Forczmański, Adam Nowosielski, Anton Smoliński, and Daniel Ozga

Image Contrast Enhancement Based on Laplacian-of-Gaussian Filter Combined with Morphological Reconstruction 305
Marcin Iwanowski

Lattice Auto-Associative Memories Induced Multivariate Morphology for Hyperspectral Image Spectral-Spatial Classification 316
Manuel Graña

Randomized Reference Classifier with Gaussian Distribution and Soft Confusion Matrix Applied to the Improving Weak Classifiers 326
Pawel Trajdos and Marek Kurzynski

Hybrid Algorithm for the Detection and Recognition of Railway Signs 337
Ewelina Choodowicz, Pawe Lisiecki, and Piotr Lech

Combination of Linear Classifiers Using Score Function – Analysis of Possible Combination Strategies 348
Pawel Trajdos and Robert Burduk

Multi Sampling Random Subspace Ensemble for Imbalanced Data Stream Classification 360
Jakub Klikowski and Michał Woźniak

Author Index 371