

Monday 28/06/2021 https://pwr-edu.zoom.us/j/99084083841?pwd=RUIHNkNjK3BRZXhUajUwQ3FwVDZ2Zz09	
09.00 – 09.15	Opening / Welcome [Michał Choraś, Tomasz Hyla, Michał Woźniak]
09.15 – 10.00	PLENARY SESSION, Chair: Michał Woźniak Color Visual Cryptography: Coding in Random Data with Optimized Readability Leszek Chmielewski
	Session: PROGRESS IN ADVANCED COMPUTER SYSTEMS Chair: Tomasz Hyla
10.00 – 10.20	Green IT: Energy Efficient Constructions and Applications for Data Centers and Clusters <i>Andriy Luntovskyy and Tenshi Hara</i>
10.20 – 10.40	Implementation of Nussinov’s RNA folding using the Kokkos library <i>Mateusz Gruzewski, Marek Palkowski</i>
10.40 – 11.00	Ontology-Driven Approach to Research and Educational Organization Information Representation <i>Larysa Globa, Rina Novogradskaya, Maryna Popova, Bohdan Zadoienko, and Yu Junfeng</i>
11.00 – 11.20	Analogy of the degree of interest in a news article by gaze information <i>Takuya Ogawa, Keiichi Endo, Hisayasu Kuroda, and Shinya Kobayashi</i>
11.20 – 11.40	Examination of Water Temperature Interpolation Method for Prediction <i>Yu Agusa, Keiichi Endo, Hisayasu Kuroda and Shinya Kobayashi</i>
	Session: ADVANCES IN PATTERN RECOGNITION AND CLASSIFIERS Chair: Mariusz Flasiński
11.40 – 12.00	Building an Ensemble of Classifiers via Randomized Models of Ensemble Members <i>Pawel Trajdos and Marek Kurzynski</i>
12.00 – 12.20	Hybrid learning model for syntactic pattern recognition <i>Mariusz Flasiński, Janusz Jurek, and Tomasz Peszek</i>
12.20 – 12.40	Distance Metrics in Clustering and Weighted Scoring Algorithm <i>Jakub Klikowski and Robert Burduk</i>
12.40 – 13.00	Exploration of Hardware Acceleration Methods for an XNOR Traffic Signs Classifier <i>Dominika Przewlocka-Rus, Marcin Kowalczyk, and Tomasz Kryjak</i>
13.00 – 13.20	ALEA: An Anonymous Leader Election Algorithm for Synchronous Distributed Systems <i>Deepanjan Mitra, Agostino Cortesi, and Nabendu Chaki</i>

**Progress in Image Processing, Pattern Recognition and Communication Systems
CORES, IP&C, ACS CONFERENCE PROGRAMME**

13.20 – 13.40	<i>Coffee Break</i>
	Session: PROGRESS IN IMAGE PROCESSING AND COMPUTER VISION Chair: Leszek Chmielewski
13.40 – 14.00	Comparing concepts of quantum and classical neural network models for image classification task <i>Rafał Potempa and Sebastian Porebski</i>
14.00 – 14.20	Can Color Cryptography Be Truly Random? <i>Leszek J. Chmielewski, Mariusz Nieniewski, and Arkadiusz Orłowski</i>
14.20 – 14.40	Description-based Ranking of Visual Instances: Feasibility Study for Keypoints <i>Andrzej Śluzek</i>
14.40 – 15.00	Fuzzy system for lip print identification <i>Przemysław Kudłacik and Tomasz Orczyk</i>
15.00 – 15.20	Assessment of correlations between age and textural features of CT images of thoracic vertebrae <i>Weronika Węgrzyn, Monika Pierzchała, Paulina Bałon, Robert Paweł Banyś, and Adam Piórkowski</i>
15.20 – 15.40	Preprocessing of Document Images Based on the GGD and GMM for Binarization of Degraded Ancient Papyri Images <i>Hubert Michalak, Robert Krupiński, Piotr Lech, and Krzysztof Okarma</i>
15.40 – 16.00	Application of Image Entropy Analysis for the Quality Assessment of Stitched Images <i>Krzysztof Okarma and Mateusz Kopytek</i>
16.00 – 16.20	<i>Coffee Break</i>
	Session: Practical Applications of Computer Recognition Systems Chair: Krzysztof Okarma
16.20 – 16.40	Gyroscope-Based Remote Text Entry Interface <i>Adam Nowosielski and Patryk Krasa</i>
16.40 – 17.00	Comparison of the effects of different preprocessing methods on homogeneity assessment of digital intraoral radiographs of root canal fillings <i>Jagoda Łebska, Barbara Obuchowicz, Rafał Obuchowicz, and Adam Piórkowski</i>
17.00 – 17.20	Impact of software bug report preprocessing and vectorization on bug assignment accuracy <i>Lukasz Chmielowski and Michał Kucharzak</i>
17.20 – 17.40	On Machine Learning for Autism prediction from functional connectivity <i>Moises Silva and Manuel G raña</i>
17.40 – 18.00	The impact of data preprocessing on the accuracy of CNN-based heart segmentation <i>Julia Lasek</i>

Tuesday 29/06/2021 https://pwr-edu.zoom.us/j/95395204937?pwd=bW9kQ0doMFVDOGVRN0RaTnhIS1JRdz09	
09.00 – 09.15	Opening / Welcome [Michał Choraś, Tomasz Hyla, Michał Woźniak]
09.15 – 10.00	PLENARY SESSION: Chair: Michał Choraś Will your method be applied? - What determines the broad adoption and how to measure it Rafał Leszczyna
	Session: Practical Applications of Computer Recognition Systems Chair: Marcin Iwanowski
10.00 – 10.20	Comparison of selected acoustic signal parameterization methods in the problem of machine recognition of classical music styles <i>Maciej Walczyński and Jacek Fica</i>
10.20 – 10.40	The Influence of Bit-Depth Reduction on Correlation of Texture Features with a Patient's Age <i>Patrycja Mazur</i>
10.40 – 11.00	Using machine learning to detect the signs of radicalization and hate speech on Twitter <i>Marcin Kuchczyński, Aleksandra Pawlicka, Marek Pawlicki, and Michał Choraś</i>
11.00 – 11.20	<i>Coffee Break</i>
	Session: Advances in ML for Security and Networks Chair: Paweł Ksieniewicz
11.20 – 11.40	Extending machine learning-based intrusion detection with the imputation method <i>Mikołaj Komisarek, Marek Pawlicki, Piotr Soboński, Aleksandra Pawlicka, Rafał Kozik, and Michał Choraś</i>
11.40 – 12.00	Clutter-type classification of the telco BTS units with the use of limited input information <i>Lukasz Nowak, Michal Panek, and Ireneusz Jablonski</i>
12.00 – 12.20	Cyber-Attack Detection from IoT Benchmark Considered as Data Streams <i>Paweł Zyblewski, Marek Pawlicki, Rafał Kozik, and Michał Choraś</i>
12.20 – 12.40	Some Principles of Building Steganographic Communication Networks <i>Jurii Ryabinin and Oleg Finko</i>
12.40 – 13.00	SAT-based Cryptanalysis of Salsa20 Cipher <i>Sylwia Stachowiak, Mirosław Kurkowski, and Artur Soboń</i>
13.00 – 13.20	Smart Meters Reading Process Improvement by UAV Utilization <i>Piotr Kiedrowski, Łukasz Zabłudowski, and Beata Marciniak</i>

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13.20 - 13.40	Defuzzification method comparison in real data packets control method for network protection <i>Łukasz Apiecionek</i>
13.40 - 14.00	Deep learning vs. traditional approaches to malware traffic classification - a comparative study <i>Jacek Krupski, Damian Rybicki, Waldemar Graniszewski, and Marcin Iwanowski</i>
14.00 - 14.15	Closing