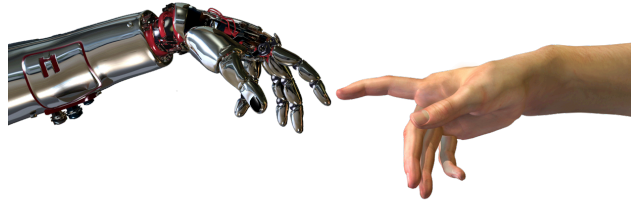


ICMMI 2019



Cracow, October 2-3, 2019

CONFERENCE PROGRAMME

WEDNESDAY 02.10.2019	
9:00	Registration
10:00	Welcome session
10:10	Keynote lecture 1
	Use of Technology in Health and Social Care <i>Luc de Witte</i>
11:10	Coffee break
11:30	SESSION A: Human – Computer Interfaces 1 <i>chairperson: Sebastian Deorowicz</i>
11:30	Head-Based Text Entry Methods for Motor-Impaired People <i>Krzysztof Dobosz</i>
11:50	VEEP—The System for Motion Tracking in Virtual Reality <i>Jan Mrzygód</i>
12:10	Immersive Virtual Reality for Assisting in Inclusive Architectural Design <i>Ewa Lach</i>
12:30	Coffee break
12:50	SESSION B: Human – Computer Interfaces 2 <i>chairperson: Luc de Witte</i>
12:50	Spatio-Temporal Filtering for Evoked Potentials Detection <i>Michał Piela</i>
13:10	A Review on the Vehicle to Vehicle and Vehicle to Infrastructure Communication <i>Krzysztof Tokarz</i>
13:30	Predictions of Age and Mood Based on Changes in Saccades Parameters <i>Albert Śledzianowski</i>
13:50	Conference photo
14:00	Lunch
15:10	SESSION C: Artificial Intelligence and Knowledge Discovery <i>chairperson: Tadeusz Czachórski</i>
15:10	FIT2COMIn – Robust Clustering Algorithm for Incomplete Data <i>Krzysztof Simiński</i>
15:30	GrFCM – Granular Clustering of Granular Data <i>Krzysztof Simiński</i>
15:50	Influence of the Applied Outlier Detection Methods on the Quality of Classification <i>Błażej Moska</i>
16:10	Coffee break
16:30	SESSION D: Bio-data and Bio-signal Analysis <i>chairperson: Krzysztof Simiński</i>
16:30	LCR-BLAST—A New Modification of BLAST to Search for Similar Low Complexity Regions in Protein Sequences <i>Patryk Jarnot</i>
16:50	Risk Susceptibility of Brain Tumor Classification to Adversarial Attacks <i>Rishika Bharti</i>
17:10	Prediction of Drug Potency and Latent Relation Analysis in Precision Cancer Treatment <i>Rishika Bharti</i>
17:30	Predictive Model for Detecting Trust in Technology from Psychophysiological Signals <i>Ighoyota Ben Ajenaghughure</i>
17:40	Session ends
18:30	Sightseeing tour – visit to Rynek Underground Museum
20:00	Conference dinner

THURSDAY 03.10.2019	
9:00	Keynote lecture 2
	Musings on the Prospects and Limitations of Supercomputing Machines Surpassing or Augmenting Human Intelligence <i>Marek Michalewicz</i>
10:00	Coffee break
10:20	SESSION E: Pattern Recognition and Classification 1 <i>chairperson: Aleksandra Gruca</i>
10:20	Evaluation of Cosine Similarity Feature for Named Entity Recognition on Tweets <i>Onur Buyuktopac</i>
10:40	Deep Recurrent Neural Networks for Human Activity Recognition During Skiing <i>Marek Hermansa</i>
11:00	Recognition of Tennis Shots Using Convolutional Neural Networks Based on Three-Dimensional Data <i>Edyta Łukasik</i>
11:20	On Unsupervised and Supervised Discretisation in Mining Stylometric Features <i>Urszula Stańczyk</i>
11:40	Coffee break
12:00	SESSION F: Pattern Recognition and Classification 2 <i>chairperson: Marek Michalewicz</i>
12:00	Ensembles of Active Adaptive Incremental Classifiers <i>Michał Kozielski</i>
12:20	Predictive Algorithms in Social Sciences – Problematic Internet Use Example <i>Eryka Probiez</i>
12:40	Optimizing Training Data and Hyperparameters of Support Vector Machines Using a Memetic Algorithm <i>Wojciech Dudzik</i>
13:00	Induction of Centre-Based Biclusters in Terms of Boolean Reasoning <i>Marcin Michalak</i>
13:20	Lunch
14:30	SESSION G: Algorithms and Optimization <i>chairperson: Michał Kozielski</i>
14:30	Audio-Visual TV Broadcast Signal Segmentation <i>Josef Chaloupka</i>
14:50	Classifying Relation via Piecewise Convolutional Neural Networks with Transfer Learning <i>Yuting Han</i>
15:10	Using Copula and Quantiles Evolution in Prediction of Multidimensional Distributions for Better Query Selectivity Estimation <i>Dariusz Rafał Augustyn</i>
15:30	Issues on Performance of Reactive Programming in the Java Ecosystem with Persistent Data Sources <i>Lukasz Wycislik</i>
15:50	Data Sharding – the Missing Link in Scaling SQL Databases for Cloud Applications <i>Lukasz Wycislik</i>
16:00	Coffee break
16:30	Closing session. Best presentation award.



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