

INTERNATIONAL CONFERENCE ON COMPUTATIONAL SCIENCE (ICCS 2020)
13th Workshop on Biomedical and Bioinformatics Challenges for Computer Science (BBC 2020)
<https://bbc2020workshop.wordpress.com/>
June 3, 2020
Online Workshop URL: <https://meet.google.com/ypk-vquo-rdh>

Time	Session	#	Authors (In bold presenter for the online session)	Title
9:10-9:20	Opening		Giuseppe Agapito, Mario Cannataro, Mauro Castelli, Riccardo Dondi, Rodrigo Weber dos Santos, Italo Zoppis	Opening Remarks
9:20-9:40	Bioinformatics 1	506	Lars Wienbrandt , Jan Christian Kässens and David Ellinghaus	Reference-based Haplotype Phasing with FPGAs
9:40-10:00		691	Marcin Czajkowski , Krzysztof Jurczuk and Marek Kretowski	Tree Based Advanced Relative Expression Analysis
10:00-10:20		480	Paweł Teisseyre , Jan Mielniczuk and Michał Dąbrowski	Testing the significance of interactions in genetic studies using interaction information and resampling technique
10:20-10:40		672	Aneta Polewko-Klim and Witold Rudnicki	Analysis of ensemble feature selection for correlated high-dimensional RNA-Seq cancer data
10:40-11:00	BREAK			
11:00-11:20	Bioinformatics 2	394	Tomasz Arodz	Biological Network Visualization for Targeted Proteomics based on Mean First-Passage Time in Semi-Lazy Random Walks
11:20-11:40		622	Krzysztof Mnich , Agnieszka Kitlas Golinska, Aneta Polewko-Klim and Witold R. Rudnicki	Bootstrap Bias Corrected Cross Validation applied to Super Learning
11:40-12:00		617	Marzia Settino , Mariamena Arbitrio, Francesca Scionti, Daniele Caracciolo, Maria Teresa Di Martino, Pierosandro Tagliaferri, Pierfrancesco Tassone and Mario Cannataro	MMRF-CoMMpass data integration and analysis for identifying prognostic markers
12:00-12:20		689	Katerina Serafimova , Iliyan Mihaylov, Dimitar Vassilev, Piotr Zielenkiewicz and Szymon Kaczanowski	Using machine learning in accuracy assessment of knowledge-based energy and frequency base likelihood in protein structures
12:20-14:00	BREAK			
14:00-14:20	Biomedicine	335	Daniel Lucena , Anderson Soares, Clarimar Coelho, Isabela Wastowski and Arlindo Filho	Detection of Tumoral Epithelial Lesions Using Hyperspectral Imaging and Deep Learning
14:20-14:40		674	Robert Cierniak and Piotr Pluta	Statistical iterative reconstruction algorithm based on a continuous-to-continuous model formulated for spiral cone-beam CT
14:40-15:00		371	Matthew Zak and Adam Krzyzak	Classification of lung diseases using deep learning models
15:00-15:20		499	Unal Sakoglu , Lohit Bhupati and Nazanin Beheshti	An Adaptive Space-Filling Curve Trajectory for Mapping 3D Datasets to 1D: Application to Brain Magnetic Resonance Imaging Data for Classification
15:20-15:40		668	Brian Davis, Kevin Mcloughlin, Jonathan Allen and Sally Ellingson	Quantifying Overfitting Potential in Drug Binding Datasets
15:40-15:50			Giuseppe Agapito, Mario Cannataro, Mauro Castelli, Riccardo Dondi, Rodrigo Weber dos Santos, Italo Zoppis	Closing Remarks