

Thursday, 14 September, 2017

8:30 - 9:00	Registration
9:00 - 9:10	Opening and Welcome by Professor Luc Moreau, Head of the Department of Informatics
Session I, Chair: Dr Solon P. Pissis	
9:10 - 09:50	Invited Talk: <i>Dr Giovanna Rosone</i> Compression and analysis of DNA sequences via EBWT
09:50 - 10:15	<i>Simone Pignotti</i> ProPhyle: a phylogeny-based metagenomic classifier using Burrows-Wheeler Transform
10:15 - 10:40	<i>Giulia Bernardini</i> Pattern Matching on Elastic-Degenerate Text with Errors
Morning Coffee Break	
Session II, Chair: Mai Alzamel	
11:10 - 11:50	Invited Talk: <i>Prof. Knut Reinert</i> Engineering meets algorithms
11:50 - 12:15	<i>Pierre Morisse</i> Enhanced de Bruijn graphs
12:15 - 12:40	<i>Rafael Ktistakis</i> A succinct representation of a lossless sequence predictor
Lunch	
Session III, Chair: Fatima Vayani	
14:40 - 15:20	Invited Talk: <i>Dr Stilianos Arhondakis</i> Compositional strategies for the exploitation of the transcriptome during biological processes/conditions using RNA-seq technology

15:20 - 15:45	<i>Dr Nantia Iakovidou</i> A multislice network approach to profiling of EEG connectivity reorganization during epileptic seizures
15:45 - 16:10	<i>Neerja Mhaskar</i> Frequency Cover in Strings
16:10 - 16:40	Afternoon Tea Break
Session IV, Chair: Panagiotis Charalampopoulos	
16:40 - 17:20	Invited Talk: <i>Prof. Prudence Wong</i> Modelling and Analysis of the Invasion Process using Graph Sparsification and Network Flow
17:20 - 17:45	<i>Aikaterini Karanasiou</i> Incremental Low-High Orders of Directed Graphs and Applications
17:45 - 18:10	<i>Saaidi Afaf</i> Short reads mapping using SHAPE mutational profile
18:10 - 18:20	Closing Remarks