

THEO MURPHY INTERNATIONAL SCIENTIFIC MEETING

Storage and indexing of massive data

Thursday 7 – Friday 8 February 2013

Organised by Professor Costas Iliopoulos, Dr Simon Puglisi and Professor Maxime Crochemore.

DAY 1				DAY 2			
SESSION 1 Maxime Crochemore		SESSION 3 Chair: Kunsoo Park		SESSION 5 Chair: Gad Landau		SESSION 7 Chair: Bill Smyth	
09.15	Welcome by Royal Society & Maxime Crochemore						
09.20	Amir Amirhood Histogram indexing and block pattern Indexing	14.00	Anthony Cox Compression and indexing of DNA sequence data	09.00	Alistair Moffat External suffix arrays for large-scale string search	13.15	Roberto Grossi Succinct data structures for strings and sequences
09.45	Discussion	14.30	Discussion	09.25	Discussion	13.45	Discussion
10.00	Alexis Stamatakis/Solon Pissis Finding subtree repeats to slash the time for phylogenetic analyses	14.40	Sophia Kossida Unfolding protein folding	09.40	Bill Smyth Large scale detection of repetitions	14.00	Gad Landau Algorithms on grammar-compressed strings
10.25	Discussion	15.05	Discussion	10.05	Discussion	14.30	Discussion
10.40	Coffee	15.20	Tea	10.20	Coffee	14.45	Tea
SESSION 2 Chair: Amir Amirhood		SESSION 4 Chair: Maxime Crochemore		SESSION 6 Chair: Anthony Cox		SESSION 8 Chair: Esko Ukkonen	
11.30	Esko Ukkonen Algorithmic challenges in regulatory networks	16.00	Laurent Mouchard Toward efficient compression of NGS data	10.50	Juha Kärkkäinen Scalable index construction	15.05	Travis Gagie Fast random access and approximate pattern matching for compressed highly repetitive text collections
11.55	Discussion	16.25	Discussion	11.15	Discussion		
12.10	Kunsoo Park Order preserving matching on massive data	16.40	Rajeev Raman Encodings for range selection and top-k queries	11.30	Mark Elliot Understanding the data environment: the case of big social data	15.45	Discussion
12.45	Discussion	17.05	Discussion	12.00	Discussion		
13.00	LUNCH	17.20	CLOSE	12.15	LUNCH	16.15	CLOSE
		18.15	Pre-dinner drinks			18.30	Dinner for those staying due to travel timings
		18.30	Dinner				

