

# ACAC 2016 – University of Athens

11th Athens Colloquium on Algorithms and Complexity

– Program –

<b>Thursday, August 25</b>	
8:00 - 9:10	<b>Registration</b> (Amphitheater)
9:10 - 9:15	<b>Opening and Welcome</b>
	<b>Invited Talk 1</b> (Chair: Vassilis Zissimopoulos)
9:15 - 10:05	<b>Popping Supperbubbles and Identifying Clumps</b> <i>Costas Iliopoulos</i> (University of London)
10:05 - 10:25	<b>Coffee Break</b>
	<b>Invited Talk 2</b> (Chair: Stathis Zachos)
10:25 - 11:15	<b>2-Connectivity in Directed Graphs</b> <i>Loukas Georgiadis</i> (University of Ioannina)
11:15 - 11:35	<b>Coffee Break</b>
	<b>Session 1</b> (Chair: Vangelis Markakis)
11:35 - 12:00	<b>Improved Knapsack Algorithms</b> <i>Kostas Draziotis</i> (Aristotle University of Thessaloniki)
12:00 - 12:25	<b>New Bounds for the <math>(h,k)</math>-Server Problem</b> <i>Grigorios Koumoutsos</i> (Eindhoven University of Technology)
12:25 - 12:50	<b>TBA</b> <i>Angelina Vidali</i> (Teesside University)
12:50 - 13:15	<b>On Truthful Mechanisms for Maximin Share Allocations</b> <i>Georgios Birmpas</i> (Athens University of Economics and Business)
13:15 - 14:30	<b>Lunch Break</b> (at the main entrance of the department)
	<b>Invited Talk 3</b> (Chair: Vangelis Paschos)
14:30 - 15:20	<b>New Approaches for Time-Dependent Route Planning</b> <i>Christos Zaroliagis</i> (University of Patras)
15:20 - 15:40	<b>Coffee Break</b>
	<b>Session 2</b> (Chair: Michael Lampis)
15:40 - 16:05	<b>Discrete preference games in social networks</b> <i>Iannis Caragiannis</i> (University of Patras)
16:05 - 16:30	<b>How Effective Can Simple Ordinal Peer Grading Be?</b> <i>George Krimpas</i> (University of Patras)
16:30 - 16:55	<b>On Low-High Orders of Directed Graphs: An Incremental Algorithm and Applications</b> <i>Katerina Karanasiou</i> (University of Ioannina)
16:55 - 17:20	<b>Two RPG Flow-graphs for Software Watermarking using Bitonic Sequences of Self-inverting Permutations</b> <i>Anna Mpanti</i> (University of Ioannina)
17:20 - 17:40	<b>Coffee Break</b>
	<b>Session 3</b> (Chair: Orestis Telelis)
17:40 - 18:05	<b>Designing Cost-Sharing Methods for Bayesian Games</b> <i>Alkmini Sgouritsa</i> (University of Liverpool)
18:05 - 18:30	<b>A Randomized Algorithm to Decompose Binary Forms</b> <i>Elias Tsigaridas</i> (INRIA Paris)
18:30 - 18:50	<b>Coffee Break</b>
	<b>Invited Talk 4</b> (Chair: Dimitris Fotakis)
18:50 - 19:40	<b>Trading Time for Approximation</b> <i>Michael Lampis</i> (University Paris-Dauphine, LAMSADE)

<b>Friday, August 26</b>	
	<b>Invited Talk 5</b> (Chair: Lefteris Kirousis)
9:15 - 10:05	<b>Designing Games with Good Equilibria</b> <i>Giorgos Christodoulou</i> (University of Liverpool)
10:05 - 10:25	<b>Coffee Break</b>
	<b>Session 4</b> (Chair: Elias Tsigaridas)
10:25 - 10:50	<b>Inequity Aversion Pricing over Social Networks</b> <i>Vangelis Markakis</i> (Athens University of Economics and Business)
10:50 - 11:15	<b>New Results on Budgeted Mechanism Design</b> <i>Yorgos Amanatidis</i> (Athens University of Economics and Business)
11:15 - 11:40	<b>Aggregation of Votes with Multiple Positions on Each Issue</b> <i>John Livieratos</i> (University of Athens)
11:40 - 12:00	<b>Coffee Break</b>
	<b>Session 5</b> (Chair: Vangelis Markakis)
12:00 - 12:25	<b>Envy-Free Revenue Approximation for Asymmetric Buyers with Budgets</b> <i>Orestis Telelis</i> (University of Piraeus)
12:25 - 12:50	<b>Efficiently Reasoning about Qualitative Constraints through Variable Elimination</b> <i>Michael Sioutis</i> (University of Artois)
12:50 - 13:15	<b>Connectivity in Temporal Graphs</b> <i>Kyriakos Axiotis</i> (National Technical University of Athens)
13:15 - 14:30	<b>Lunch Break</b> (at the main entrance of the department)
	<b>Invited Talk 6</b> (Chair: Stathis Zachos)
14:30 - 15:20	<b>Model Selection Algorithms for Discrete Time Series</b> <i>Ioannis Kontoyiannis</i> (Athens University of Economics and Business)
15:20 - 15:40	<b>Coffee Break</b>
	<b>Session 6</b> (Chair: Dimitris Fotakis)
15:40 - 16:05	<b>Memory-Optimized Distributed Graph Processing through Novel Compression Techniques</b> <i>Katia Papakonstantinou</i> (University of Athens)
16:05 - 16:30	<b>Approximating Multidimensional Subset Sum and Minkowski Decomposition of polytopes</b> <i>Anna Karasoulou</i> (University of Athens)
16:30 - 16:55	<b>High-dimensional approximate r-nets</b> <i>Ioannis Psarros</i> (University of Athens)
16:55 - 17:15	<b>Coffee Break</b>
	<b>Session 7</b> (Chair: George Christodoulou)
17:15 - 17:40	<b>Double-exponential and triple-exponential lower bounds of choosability problems parameterized by treewidth</b> <i>Valia Mitsou</i> (Hungarian Academy of Sciences)
17:40 - 18:05	<b>Local Dispersion-aware Link Communities</b> <i>Panagiotis Liakos</i> (University of Athens)
18:05 - 18:30	<b>Grand Challenge: Dynamic Graph Management for Streaming Social Media Analytics</b> <i>Christos Vlasopoulos</i> (NCSR Demokritos, Greece)
18:30 - 18:50	<b>Coffee Break</b>
	<b>Invited Talk 7</b> (Chair: Aris Pagourtzis)
18:50 - 19:40	<b>On the approximation of maximum k-vertex cover in bipartite graphs</b> <i>Vangelis Paschos</i> (University Paris-Dauphine, LAMSADE)
20:00	<b>Dinner</b>