

# - ACAC 15 Program -

10<sup>th</sup> Athens Colloquium on Algorithms and Complexity

National Technical University of Athens

**Thursday, August 20<sup>th</sup>**

8:45 – 9:15	<i>Registration – Coffee</i>
9:15 – 9:30	<i>Opening</i>
9:30 – 10:30	<b>Plenary Session</b> (Chair: Stathis Zachos) <b>On the Algorithmic Lovász Local Lemma and Acyclic Edge Coloring</b> Lefteris Kirousis, <i>UoA &amp; Computer Technology Institute and Press “Diophantus”</i>
10:30 – 11:00	<i>Coffee Break</i>
11:00 – 12:30	<b>Session 1</b> (Chair: Stathis Zachos) <b>Designing Networks with Good Equilibria under Uncertainty</b> Giorgos Christodoulou, <i>University of Liverpool</i> <b>Stable marriages with evolving preferences</b> Nikos Leonardos, <i>LIAFA, Univ Paris Diderot, France</i> <b>Enumeration of 2-level polytopes</b> Vissarion Fisikopoulos, <i>Université libre de Bruxelles</i>
12:30 – 12:45	<i>Coffee Break</i>
12:45 – 13:45	<b>Session 2</b> (Chair: Aris Pagourtzis) <b>On mobile agent verifiable problems</b> Evangelos Bampas, <i>LaBRI, University of Bordeaux</i> <b>Collaborative Exploration by Energy-Constrained Mobile Robots</b> Christina Karousatou, <i>Aix-Marseille University and CNRS, France</i>
13:45 – 15:00	<i>Lunch Break</i>
15:00 – 16:00	<b>Session 3</b> (Chair: Vangelis Markakis) <b>Improving Selfish Routing for Risk-Averse Players</b> Thanasis Lianeas, <i>University of Texas at Austin</i> <b>Pushing the Envelope in Graph Compression</b> Katia Papakonstantinou, <i>University of Athens</i>
16:00 – 16:15	<i>Coffee Break</i>
16:15 – 17:45	<b>Session 4</b> (Chair: Dimitris Fotakis) <b>Who to Trust for Truthfully Maximizing Welfare?</b> Emmanouil Zampetakis, <i>Massachusetts Institute of Technology</i> <b>On the Efficiency of All-Pay Mechanisms</b> Alkmini Sgouritsa, <i>University of Liverpool</i> <b>Manipulation of h-index, g-index, i10-index by merging articles</b> Chrystalla Pavlou, <i>University of Oxford</i>
17:45 – 18:00	<i>Short Break</i>
18:00 – 19:00	<b>Session 5</b> (Chair: Vassilis Zissimopoulos) <b>Cost-sharing models in Participatory Sensing</b> Giorgos Birmpas, <i>Athens University of Economics and Business</i> <b>Aggregating partial rankings with applications to peer grading in MOOCs</b> Alexandros Voudouris, <i>University of Patras</i>

**Friday, August 21<sup>st</sup>**

9:30 – 11:00	<p><b>Session 6</b> (Chair: Ioannis Milis)</p> <p><b>Mobile Agents Rendezvous in Rings, in spite of a Malicious Agent</b> Euripides Markou, <i>University of Thessaly</i></p> <p><b>Efficient Money-Burning in General Domains</b> Dimitris Tsipras, <i>National Technical University of Athens</i></p> <p><b>Welfare Ratios for One-sided Matching Mechanisms</b> Aris Filos-Ratsikas, <i>University of Oxford</i></p>
11:00 – 11:30	<i>Coffee Break</i>
11:30 – 13:00	<p><b>Session 7</b> (Chair: Euripides Markou)</p> <p><b>An introduction to utility elicitation</b> Angelina Vidali, <i>Pierre and Marie Curie University</i></p> <p><b>The SYNAISTHISI Project: Using Multi-Agent Systems Technologies in Resource Allocation</b> Ioannis Vetsikas, <i>NCSR Demokritos</i></p> <p><b>Scheduling MapReduce Jobs and Data Shuffle on Unrelated Processors</b> Georgios Zois, <i>Athens University of Economics and Business</i></p>
13:00 – 15:00	<i>Lunch Break</i>
15:00 – 15:45	<p><b>Session 8</b> (Chair: Stathis Zachos)</p> <p><b>Stochastic Congestion Games with Risk-Averse Players</b> Haris Angelidakis, <i>Toyota Technological Institute at Chicago</i></p>
15:45 – 16:15	<i>Coffee Break</i>
16:15 – 17:00	<p><b>Session 9</b> (Chair: Stathis Zachos)</p> <p><b>System Fragility under Load Redistribution from an Attacker's Perspective</b> Evangelos Chatziafratis, <i>National Technical University of Athens</i></p>
17:00 – 17:15	<i>Short Break</i>
17:15 – 18:15	<b>Short Sessions</b>
18:15	<i>Closing</i>
21:00	<i>Dinner</i>



European Union  
European Social Fund



OPERATIONAL PROGRAMME  
EDUCATION AND LIFELONG LEARNING  
*investing in knowledge society*

MINISTRY OF EDUCATION & RELIGIOUS AFFAIRS  
MANAGING AUTHORITY

Co-financed by Greece and the European Union



NSRF  
2007-2013  
programme for development  
EUROPEAN SOCIAL FUND

