

# Second Congress of Greek Mathematicians (SCGM – 2022)

## Session of Theoretical Computer Science

Conference Hall, Administration Building (ground floor)

National Technical University of Athens, Zografou

July 5-7, 2022

### Tuesday, July 5, 2022

<b>16:30-17:30</b>	<b>Aggelos Kiayias</b> , University of Edinburgh
	Random Walks over Chains of Blocks
<b>17:30-18:00</b>	<b>Katerina Sotiraki</b> , UC Berkeley
	Towards post-quantum cryptography
<b>18:00-18:30</b>	<b>Giorgos Christodoulou</b> , Aristotle University
	Truthful mechanisms for scheduling problems
<b>18:30-19:00</b>	<b>Antonios Varvitsiotis</b> , Singapore University of Technology and Design
	Multiplicative Updates for Symmetric-cone Factorizations

### Wednesday, July 6, 2022

<b>09:00-10:00</b>	<b>Yiannis N. Moschovakis</b> , UCLA
	Intrinsic complexity
<b>10:00-10:30</b>	<b>Loukas Georgiadis</b> , University of Ioannina
	Efficient Algorithms for Graph Connectivity Problems
<b>10:30-11:00</b>	<b>Archontia Giannopoulou</b> , National and Kapodistrian University of Athens
	From Structural Graph Theory to Algorithms

<b>16:30-17:00</b>	<b>Panayotis Mertikopoulos</b> , CNRS
	The Dynamics of Artificial Intelligence
<b>17:00-17:30</b>	<b>Andreas Pavlogiannis</b> , Aarhus University
	Evolutionary Graph Theory: Amplification and Optimization
<b>17:30-18:00</b>	<b>Christos Tzamos</b> , University of Wisconsin-Madison
	Strongly Polynomial Time Algorithms for Learning Halfspaces and Approximate Forster Transforms
<b>18:00-18:30</b>	<b>Manolis Zampetakis</b> , UC Berkeley
	How to handle Biased Data and Multiple Agents in Machine Learning?
<b>18:30-19:00</b>	<b>Chara Podimata</b> , MIT
	Incentive-Aware Machine Learning for Decision Making

### Thursday, July 7, 2022

<b>16:00 – 17:00</b>	<b>Christos Papadimitriou</b> , Columbia University
	Title: TBA
<b>17:00 – 18:00</b>	<b>Constantinos Daskalakis</b> , MIT
	Title: TBA
<b>18:00 - 18:30</b>	<b>Vaggos Chatziafratis</b> , University of California Santa Cruz
	On the Hidden Geometry of Datasets and Approximate Metric Embeddings
<b>18:30 – 19:00</b>	<b>Stratis Ioannidis</b> , Northeastern
	Spectral Ranking Regression