



ΟΜΙΛΙΑ

“Fair and Truthful Allocations on Graphs”

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ΠΕΡΙΛΗΨΗ – ABSTRACT

We will discuss allocation problems where a set of indivisible goods need to be allocated to a set of agents in a fair manner. We consider one of the most predominant notion of fairness, envy freeness up to any good (EFX), where an agent would not envy some other agent if we could remove some good from the latter agent's share. We study settings where valuations can be represented via a graph of arbitrary size where vertices correspond to agents and edges to items. An item (edge) has zero marginal value to all agents (vertices) not incident to the edge.

Short Bio:

Giorgos Christodoulou is an Associate Professor in the School of Informatics at the Aristotle University of Thessaloniki. His research focuses on algorithmic aspects of game theory, mechanism design, optimization under uncertainty and fair division. He has been awarded a Royal Society Leverhulme Trust Senior Research Fellowship and has been long-term Visiting Scholar in the Economics and Computation program at the Simons Institute for the Theory of Computing at UC Berkeley. He previously held faculty positions at the University of Liverpool and University of Saarland. He received a Ph.D. degree in computer science from the University of Athens.

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Αίθουσα Σεμιναρίων