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Research Interests

Algorithmic game theory, auction theory, combinatorial optimization

Academic Positions

Technische Universität München
Postdoctoral Researcher

September 2021 – Present

Education

McGill University
PhD Mathematics

2016 – 2021

London School of Economics and Political Science
MSc Economics

2014 – 2016

McGill University
BSc Honours Physics & Mathematics

2010 – 2014

Publication List

Journal Publications

The Price of Anarchy of Two-Buyer Sequential Multiunit Auctions
ACM Transactions on Economics and Computation (TEAC)
Mete Şeref Ahunbay & Adrian Vetta

February 2023

Conference Papers

Two-Buyer Sequential Multiunit Auctions with No Overbidding
13th Symposium on Algorithmic Game Theory (SAGT'20)
Mete Şeref Ahunbay, Brendan Lucier & Adrian Vetta

September 2020

The Price of Anarchy of Two-Buyer Sequential Multiunit Auctions
16th Conference on Web and Internet Economics (WINE'20)
Mete Şeref Ahunbay & Adrian Vetta

December 2020

The Price of Stability of Envy-Free Equilibria in Multi-Buyer Sequential Auctions
14th Symposium on Algorithmic Game Theory (SAGT'21)
Mete Şeref Ahunbay, Brendan Lucier & Adrian Vetta

September 2021

Improved Two Sample Revenue Guarantees
via Mixed-Integer Linear Programming
14th Symposium on Algorithmic Game Theory (SAGT'21)
Mete Şeref Ahunbay & Adrian Vetta

September 2021

Pricing Optimal Outcomes in Coupled and Non-Convex Markets: Theory and Applications to Electricity Markets July 2023
24th ACM Conference on Economics and Computation (EC'23)
Mete Şeref Ahunbay, Martin Bichler & Johannes Knörr

Preprints

Solving Large-Scale Electricity Market Pricing Problems in Polynomial Time December 2023
Mete Şeref Ahunbay, Teodora Doboş, Martin Bichler & Johannes Knörr

On the Convergence of No-Regret Learners to Approximate Bayes-Nash Equilibrium in Single Item Auctions January 2024
Mete Şeref Ahunbay & Martin Bichler

Teaching

Lecturing

IN2211: Auction Theory & Market Design Winter 2022/2023

Teaching Assistantships

IN2211: Auction Theory & Market Design Winter 2021/2022
MATH350: Graph Theory and Combinatorics Fall 2018
MATH140: Calculus 1 Winter 2018
COMP553: Algorithmic Game Theory Fall 2017
MATH140: Calculus 1 Fall 2016

Professional Service

Program Committee Member: WINE'22, EC'23.

Awards

Alexis and Charles Pelletier Fellowship 2020
Departmental Principles of Econometrics Prize 2015
P.R. Wallace Prize in Physics 2014
Edward Beatty Scholarship in Math 2013
Student Undergraduate Research Award 2012
John Stuart Foster Scholarship in Physics 2012
George & Lidia Petras Scholarship 2012

Languages

Turkish (native), English (fluent), French (intermediate)