

YIXIN TAO

Email: yt851@nyu.edu

EDUCATION

New York University

Ph.D. in Computer Science

Advisor: Professor *Richard Cole*

Sept 2014 - present

Shanghai Jiao Tong University

B.A. in Computer Science

ACM Honors Class

Sept 2010 - June 2014

RESEARCH INTERESTS

Algorithmic Game Theory, Optimization

EXPERIENCE

Microsoft Research Asia, Beijing

Research intern

Give Theoretical Analysis of a new Advertising Mechanism

Sept 2013 - Feb 2014

CONFERENCE PAPERS AND WORKING PAPERS

* papers with the authors listed in alphabetic

Balancing the Robustness and Convergence of Tatonnement* ([Arxiv 1908.00844](#))

Richard Cole and Yixin Tao

On the Existence of Pareto Efficient and Envy Free Allocations* ([Arxiv 1906.07257](#))

Richard Cole and Yixin Tao

Parallel Stochastic Asynchronous Coordinate Descent: Tight Bounds on the Possible Parallelism* ([Arxiv 1811.05087](#))

Yun Kuen Cheung, Richard Cole and Yixin Tao

(Near) Optimal Parallelism Bound for Fully Asynchronous Coordinate Descent with Linear Speedup* ([Arxiv 1811.03254](#))

Yun Kuen Cheung, Richard Cole and Yixin Tao

An Analysis of Asynchronous Stochastic Accelerated Coordinate Descent* ([Arxiv 1808.05156](#))

Richard Cole and Yixin Tao

Dynamics of Distributed Updating in Fisher Markets* (EC'18)

Yun Kuen Cheung, Richard Cole and Yixin Tao

Large Market Games with Near Optimal Efficiency* (EC'16)

Richard Cole and Yixin Tao

Generalized Second Price Auction with Probabilistic Broad Match* (EC'14)

Wei Chen, Di He, Tie-Yan Liu, Tao Qin, Yixin Tao and Liwei Wang

Spring: A Strategy-proof and Privacy Preserving Spectrum Auction Mechanism (INFOCOM'13)

Qianyi Huang, Yixin Tao and Fan Wu

AWARDS AND SCHOLARSHIPS

Harold Grad Memorial Prize, CIMS, NYU
MacCracken Fellowship, GSAS, NYU
Zhiyuan Outstanding Student Scholarship, SJTU
Microsoft Young Fellow Scholarship

2017
2014-2019
2014
2014

REFERENCES

Richard Cole

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Simina Brânzei

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