

# Editors' Introduction

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This issue of SIGEcom Exchanges contains one brief announcement followed by four research letters. The 2019 SIGEcom Job Candidates Profiles, compiled last year again by Jason Hartline and Vasilis Gkatzelis, were published separately and are now officially included in the issue.

The brief announcement is contributed by Kalyan Talluri and Gabriel Weintraub, and announces a new department in Revenue Management and Market Analytics in Management Science which will be of interest to many in the SIGEcom community.

Yang Cai and Mingfei Zhao contribute a research letter on their STOC 2017 paper on simple, approximately optimal mechanisms for multiple subadditive bidders. This exciting result culminates a long line of works from the SIGEcom community over the past several years. Next, Yiling Chen, Chara Podimata, Ariel D. Procaccia, and Nisarg Shah contribute a research letter on their EC 2018 paper on strategyproof linear regression. Their paper establishes a family of strategyproof mechanisms to select a representative hyperplane from input data controlled by strategic agents who wish the hyperplane to represent their own data best (perhaps at the cost of poorly representing others). Jose Correa, Patricio Foncea, Ruben Hoeksma, Tim Oosterwijk and Tjark Vredeveld next contribute a research letter on their EC 2017 paper on single-choice prophet inequalities for i.i.d. distributions. Their main result proves a long-standing conjecture of Hill and Kertz on the optimal achievable competitive ration. Finally, Darrell Hoy, Sam Taggart, and Zihe Wang contribute a research letter on their STOC 2018 paper on the price of anarchy of first-price auctions. Their main result breaks the previous  $(1 - 1/e)$  barrier for the price of anarchy of first-price auctions, and improves the best-known guarantee.

Starting this issue, Matt Weinberg, Assistant Professor at Princeton University, joined as co-editor-in-chief. We would like to thank all contributors, and hope that you enjoy the issue!