Stanford

Yonatan Gur

Associate Professor of Operations, Information and Technology at the Graduate School of Business

Operations, Information & Technology

Bio

BIO

I am an Associate Professor of Operations, Information, and Technology at Stanford Graduate School of Business. I received my PhD in Decision, Risk, and Operations from Columbia Business School. I hold a B.Sc. degree from the School of Physics and Astronomy and an M.Sc. from the School of Mathematical Sciences, Tel Aviv University.

My research addresses dynamic optimization in uncertain environments with applications in platform and market analytics. My work aims to elucidate salient features in the design and analysis of content platforms, including media sites, ad platforms, and discussion boards, through adapting and synergizing ideas from the operations research and machine learning disciplines together with empirical data analysis. My research has been recognized by several awards, including Informs Lanchester Prize.

ACADEMIC APPOINTMENTS

- Associate Professor, Operations, Information & Technology

LINKS

- Personal Website: https://gsb-faculty.stanford.edu/yonatan-gur/

Teaching

COURSES

2022-23

- MSx: Operations and Strategies: OIT 269 (Win, Sum)
- Operations and Strategies: OIT 271 (Win)
- Research in Operations, Information and Technology: OIT 644 (Aut)

2021-22

- MSx: Operations and Strategies: OIT 269 (Win)
- Research in Operations, Information and Technology: OIT 644 (Aut)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Ilan Morgenstern Kaplan

Postdoctoral Research Mentor

Salomon Wollenstein Betech

Publications

PUBLICATIONS

- **Adaptive Sequential Experiments with Unknown Information Arrival Processes** *M&SOM-MANUFACTURING & SERVICE OPERATIONS MANAGEMENT*
  Gur, Y., Momeni, A.
  2022

- **Sequential Procurement with Contractual and Experimental Learning** *MANAGEMENT SCIENCE*
  Gur, Y., Macnamara, G., Saban, D.
  2022; 68 (4): 2714-2731

- **Smoothness-Adaptive Contextual Bandits** *OPERATIONS RESEARCH*
  Gur, Y., Momeni, A., Wager, S.
  2022

- **Confounding Equilibria for Platforms with Private Information on Promotion Value**
  Gur, Y., Macnamara, G., Morgenstern, I., Saban, D., Feldman, M., Fu, H., TalgamCohen
  SPRINGER INTERNATIONAL PUBLISHING AG.2022: 555

- **Value Loss in Allocation Systems with Provider Guarantees** *MANAGEMENT SCIENCE*
  Gur, Y., Iancu, D., Warnes, X.
  2021; 67 (6): 3757-3784

- **Learning in Repeated Auctions with Budgets: Regret Minimization and Equilibrium** *MANAGEMENT SCIENCE*
  Balseiro, S. R., Gur, Y.
  2019; 65 (9): 3952–68

- **Optimal Exploration-Exploitation in a Multi-Armed-Bandit Problem with Non-Stationary Rewards** *Stochastic Systems*
  Besbes, O., Gur, Y., Zeevi, A.
  2019; 9 (4): 319-337

- **Technical Note-The Competitive Facility Location Problem in a Duopoly: Advances Beyond Trees** *OPERATIONS RESEARCH*
  Gur, Y., Saban, D., Stier-Moses, N. E.
  2018; 66 (4): 1058–67

- **Adaptive Learning with Unknown Information Flows**
  Gur, Y., Momeni, A., Bengio, S., Wallach, H., Larochelle, H., Grauman, K., CesaBianchi, N., Garnett, R.
  NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2018

- **Framework Agreements in Procurement: An Auction Model and Design Recommendations** *M&SOM-MANUFACTURING & SERVICE OPERATIONS MANAGEMENT*
  Gur, Y., Lu, L., Weintraub, G. Y.
  2017; 19 (4): 586–603

- **Learning in Repeated Auctions with Budgets: Regret Minimization and Equilibrium**
  Balseiro, S. R., Gur, Y., Assoc Comp Machinery
  ASSOC COMPUTING MACHINERY.2017: 609

- **Optimization in Online Content Recommendation Services: Beyond Click-Through Rates** *M&SOM-MANUFACTURING & SERVICE OPERATIONS MANAGEMENT*
  Besbes, O., Gur, Y., Zeevi, A.
  2016; 18 (1): 15-33

- **Non-Stationary Stochastic Optimization** *OPERATIONS RESEARCH*
  Besbes, O., Gur, Y., Zeevi, A.
  2015; 63 (5): 1227-1244

- **Stochastic Multi-Armed-Bandit Problem with Non-stationary Rewards**

    Besbes, O., Gur, Y., Zeevi, A., Ghahramani, Z., Welling, M., Cortes, C., Lawrence, N. D., Weinberger, K. Q.

    NEURAL INFORMATION PROCESSING SYSTEMS (NIPS).2014