Yevgeny Tsodikovich

CONTACT INFORMATION	Ben-Gurion University of the Negev (BGU) tsodikev@bgu.ac.il Building 72, room 454 (+972) 052-871-8099 Beer Sheva 🇮🇱 tsodikovich.com

RESEARCH INTERESTS

Game Theory, Economic Theory, Opinion Dynamics, Networks, Switching Costs.

POSITIONS

Lecturer (Assistant Professor)   2024-
Ben-Gurion University 🇮🇱

Postdoctoral Researcher   2022-2024
Bar-Ilan University (BIU) 🇮🇱
Hosts: Yuval Heller, Ziv Hellman & Ron Peretz

Postdoctoral Researcher   2019-2022
Aix-Marseille School of Economics 🇫🇷

EDUCATION

Tel Aviv University (TAU) 🇮🇱

Ph.D., Mathematics   2019

Thesis: *"Dynamic decision making with long-term binding actions"*
Advisor: Professor Ehud Lehrer

M.Sc., Physics   2011

Thesis: *"TRIMOR: Three-dimensional correlation technique to analyze multi-order spectra of triple stellar systems; Application to HD 188753"*
Advisor: Professor Tsevi Mazeh

B.Sc., Physics and Electrical Engineering, *Cum Laude*.   2008

The Open University of Israel 🇮🇱

B.Sc., Mathematics, *Cum Laude*.   2008

HONORS & AWARDS

- Top 100 Junior Faculty Members (TAs) List, TAU   2015-2019
- The Student Union Lecturer-of-the-Year Award, TAU   2017
- Dean's Award for Excellence in Teaching   2015,2017
  Faculty of Engineering, TAU
- The Rector's Award for Excellence in Teaching, TAU   2015
- The Ruth and Nathan Eliosef Award for Excellence in Teaching   2015
  School of Mathematics, TAU

ORGANIZATION

- BIU Economic Theory Seminar   2022-2024

TEACHING EXPERIENCE

Lecturer, BGU   2024-
- Statistics for Economists 1
- Calculus for B.A. in Economics

Lecturer, The Open University of Israel   2017-2019
- Game Theory

Lecturer, TAU   2017-2019
- Probability Theory for Engineers

Teaching Assistant, TAU   2014-2019
- Probability Theory and Statistics for Engineers

Teaching Assistant, The Open University of Israel   2014-2019
  - Linear Algebra 1
  - Mathematics for Students of Social Sciences

REFEREE FOR   Mathematics of Operations Research, Games and Economic Behavior, International Journal of Game Theory, Annals of Operations Research, Sports Economics Review, Operations Research Letters.

Yevgeny Tsodikovich - Publication List

REFEREED
JOURNAL
PUBLICATIONS

6. **Tsodikovich Y.**, Venel X. & Zseleva A.,   2024
   "Folk theorems in repeated games with switching costs".
   Games and Economic Behavior, 146

5. **Tsodikovich Y.**, Venel X. & Zseleva A.,   2024
   "The Price of History-Independent Strategies in Games With Inter-Temporal Externalities".
   Dynamic Games and Applications, 14

4. Ashkenazi-Golan G., **Tsodikovich Y.** & Viossat, Y.,   2023
   "I Want To Tell You? Maximizing Revenue in First-Price Two-Stage Auctions".
   Economic Theory, 76

3. **Tsodikovich Y.**, Venel X. & Zseleva A.,   2023
   "The Regularity of the Value Function of Repeated Games with Switching Costs".
   Mathematics of Operations Research, 48(4)

2. **Tsodikovich Y.**,   2021
   "The Worst-Case Payoff in Games with Stochastic Revision Opportunities".
   Annals of Operations Research, 300(1)

1. **Tsodikovich Y.** & Lehrer E.   2019
   "Stochastic Revision Opportunities in Markov Decision Problems".
   Annals of Operations Research, 279(1)

WORKING PAPERS
& WORK IN
PROGRESS

7. Arieli I., Ashkenazi-Golan G., Peretz R. & **Tsodikovich Y.**,   R&R at JET
   "Minimal Contagious Sets: Degree Distributional Bounds".

6. Grillo A., Fournier G. & **Tsodikovich Y.**,   R&R at IER
   "Strategic flip-flopping in political competition".

5. Lagziel D. & **Tsodikovich Y.**,   R&R at GEB
   "AI-enhanced Decisions and the Humility Threshold".

4. Gilo D., Porat A. & **Tsodikovich Y.**,   Under review
   "Addiction to a Network".

3. Milchtaich I., Peretz R. & **Tsodikovich Y.**,   Under review
   "Authority Measure for Opinion Dynamics".

2. Kerman T., Tenev A. & **Tsodikovich Y.**,
   "Bayesian Persuasion in Networks: Divisibility and Network Irrelevance".

1. **Tsodikovich Y.**,
   "Network Buzz or Influencers".

REFEREED
JOURNAL
PUBLICATIONS –
SPACE SCIENCES

5. Bacsardi L., et al. (including **Tsodikovich, Y.**)   2017
   "The current state and the future of space internet – the Space Generation Perspective",
   New Space Journal, 5(4)

4. Tal-Or L., et al. (including **Tsodikovich, Y.**)   2011
   "CoRoT LRa02_E2_0121: Neptune-size candidate turns into a hierarchical triple system with a giant primary",
   Astronomy & Astrophysics, 534

3. Vilardell F., et al. (including **Tsodikovich, Y.**)   2011
   "The most massive eclipsing binary with apsidal motion",
   Bulletin de la Societe Royale des Sciences de Liege, 80

2. Mazeh T., **Tsodikovich Y.**, Segal Y., et al.   2009
   "TRIMOR – Three-dimensional correlation technique to analyze multi-order
   spectra of triple stellar systems; Application to HD 188753",
   Monthly Notices of the Royal Astronomical Society, 399(2)

1. Loeillet B., et al. (including **Tsodikovich, Y.**)   2008
   "Refined parameters and spectroscopic transit of the super-massive
   planet HD 147506b",
   Astronomy & Astrophysics, 481(2)

REPORTS &   1. **Tsodikovich, Y.**   2019
BOOKS   *"Solution manual for 'Game Theory' by Zamir, Maschler*
                 & Solan' (2015)" [in Hebrew],
                 The Open University of Israel, Raanana.

COLLOQUIA,   **"Authority Measure for Opinion Dynamics"**
SEMINARS &   • The 13th Conference of the Israeli Game Theory Society   June 2024
POSTERS   *Bar Ilan* 🇮🇱

              • 4th Durham Economic Theory Conference   June 2024
                                                                                Durham 🇬🇧

              • 27th Annual Coalition Theory Network Conference   June 2024
                                                                                Budapest 🇭🇺

              "Minimal Contagious Sets: Degree Distributional Bounds"
              • GSBE-ETBC Seminar   December 2023
                                                                                Maastricht 🇳🇱

              • Alpine Game Theory Symposium   June 2023
                                                                                Grenoble 🇫🇷

              • 26th Annual Coalition Theory Network Conference   May 2023
                                                                                Bielefeld 🇩🇪

              • Adaptive Learning & Opinion Dynamics in Social Networks   February 2023
                                                                                Bar Ilan 🇮🇱

              "'AI-enhanced Decisions and the Humility Threshold"
              • The 12th Conference of the Israeli Game Theory Society   March 2023
                                                                                Tel Aviv 🇮🇱

              • SING17 – European Meeting on Game Theory   July 2022
                                                                                Online

              • SMGT2022 – 7th Workshop on Stochastic Methods in Game Theory   May 2022
                                                                                Erice 🇮🇹

              "I Want To Tell You? Maximizing Revenue in First-Price Two-Stage Auctions"
              • Games 2020.1 – 6th World Congress of the Game Theory Society   July 2021
                                                                                Budapest 🇭🇺

              • 20th Journées Louis-André Gérard-Varet   June 2021
                                                                                Marseille 🇫🇷

              • XXIX European Workshop on Economic Theory   June 2021
                                                                                Akko 🇮🇱

              "The Regularity of the Value Function of Repeated Games with Switching
              Costs"
              • SING16 – European Meeting on Game Theory   July 2021
                                                                                Online

              • One World Mathematical Game Theory Seminar   February 2021
                                                                                Online

              The Worst-Case Payoff in Games with Stochastic Revision Opportunities
              • SING14 – European Meeting on Game Theory   July 2018
                                                                                Bayreuth 🇩🇪

              Stochastic Revision Opportunities in Markov Decision Problems
              • Workshop on Stopping Time Problems in Game Theory   July 2018
                                                                                Stony Brook 🇺🇸