

YONATAN BERMAN

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Academic Positions

London Mathematical Laboratory

Fellow, 2018 –

Paris School of Economics

Chateaubriand Postdoctoral Fellow, 2017 – 2018

WID.world Fellow, 2018 –

City University of New York / Stone Center on Socio-Economic Inequality

Visiting Associate Professor, 2020

Distinguished Visiting Fellow, Advanced Research Collaborative, 2020

Education

Ph.D., Tel Aviv University, 2017

Dissertation Title: “Stochastic Modeling of Inequality in Complex Financial and Economic Systems”.

M.Sc. Physics, Ben-Gurion University of the Negev, 2012

B.Sc. Mathematics and Physics (Talpiot), The Hebrew University of Jerusalem, 2007

Research Fields

Economics of Inequality, Labor Economics, Economic Decision Theory

Working Papers

1. The Long Run Evolution of Absolute Intergenerational Mobility.
2. Growth, Inequality and Absolute Mobility in the United States, 1962–2014.
3. Microfoundations of Discounting (with Alex Adamou, Diomidis Mavroyiannis and Ole Peters).
4. On the Link Between Intergenerational Mobility and Inequality: Are They Truly Distinct?
5. Wealth Inequality and the Ergodic Hypothesis: Evidence from the United States (with Ole Peters and Alex Adamou).
6. The Long Run Evolution of Political Cleavages in Israel (to be published as a chapter in *Political Cleavages, Party Systems and Social Inequalities*, eds. Amory Gethin, Clara Martnez-Toledano and Thomas Piketty).
7. The Impact of Time Horizon on the Effect of Diversification (with Ron Berman).

Work in Progress

1. On the Distribution of Estates and the Distribution of Wealth: Evidence from the Dead (with Facundo Alvaredo and Salvatore Morelli).
2. Evaluating Growth Spells: Theory and Practice (with François Bourguignon).

3. Wealth Inequality in the United States Since 1967: The Role of Income, Saving, Asset Prices and Wealth Mobility.
4. Movies and Snapshots: on the Relationship Between Intergenerational Mobility and Inequality (with Ravi Kanbur).

Publications

1. Berman, Y., Y. Shapira and M. Schwartz (2017). A Fokker-Planck Model for Wealth Inequality Dynamics. *EPL* 118(3), 38004 (*Editor's choice*; also at *Europhysics News highlights* 48(5/6), 14).
2. Berman, Y., Y. Shapira and M. Schwartz (2017). Analytical Study of Index-Coupled Herd Behavior in Financial Markets. *EPL* 116(5), 58003.
3. Berman, Y. and Y. Shapira (2017). Revisiting $r > g$ —The Asymptotic Dynamics of Wealth Inequality. *Physica A* 467, 562–572.
4. Berman, Y. and T. Aste (2016). To What Extent Does Immigration Affect Inequality? *Physica A* 462, 1029–1039.
5. X. Zhang, L. Feng, Y. Berman, N. Hu and H. E. Stanley (2016). Exacerbated Vulnerability of Coupled Socio-economic Risk in Complex Networks. *EPL* 116(1), 18001.
6. Berman, Y., E. Ben-Jacob and Y. Shapira (2016). The Dynamics of Wealth Inequality and the Effect of Income Distribution. *PLOS ONE* 11(4), e0154196.
7. Berman, Y., E. Ben-Jacob, X. Zhang and Y. Shapira (2016). Analyzing the Long Term Cohesive Effect of Sector Specific Driving Forces. *PLOS ONE* 11(3), e0152487.
8. Berman, Y., Y. Shapira and E. Ben-Jacob (2015). Modeling the Origin and Possible Control of the Wealth Inequality Surge. *PLOS ONE* 10(6), e0130181.
9. Berman, Y., Y. Shapira and E. Ben-Jacob (2014). Unraveling Hidden Order in the Dynamics of Developed and Emerging Markets". *PLOS ONE* 9(11), e112427.
10. Shapira Y., Y. Berman and E. Ben-Jacob (2014). Modelling the Short Term Herding Behaviour of Stock Markets. *New Journal of Physics* 16, 053040.
11. Berman, Y. (2013). An Improved Homogenization Technique for Pin-By-Pin Diffusion Calculations. *Annals of Nuclear Energy* 53, 238–243.
12. Berman, Y., Y. Lederer and E. Meron (2012). A Simplified Spatial Model for BWR Stability. *Proceedings of PHYSOR 2012*, 1608–1619.

Professional Activities

Conference Presentations (including scheduled)

- 2020 NBER/CRIW Conference on Measuring and Understanding the Distribution and Intra/Inter-Generational Mobility of Income and Wealth.
- 2019 AEA Annual Meeting, EEA-ESEM Annual Congress, ECINEQ Meeting 2019.
- 2018 LIS/LWS User Conference, French Economic Association Meeting, Equal Chances Conference.
- 2017 Econometric Society European Winter Meeting, Trends in Inequality: Social, Economic and Political Issues, International Conference on Inequality, ECINEQ Meeting 2017.

Workshop and Seminar Talks (including scheduled)

- 2020 City University of New York, Rutgers University.
- 2019 City, University of London, Freie Universität Berlin, Harvard University, Columbia University, Royal Holloway, University of London, Norwegian University of Science and Technology, Copenhagen University.

2018 Université Paris 1 Panthéon-Sorbonne, University of Haifa, The Hebrew University of Jerusalem, London School of Economics.
2017 Paris School of Economics, London School of Economics, Tel Aviv University.
2016 Oxford University.
2015 University College London, The Hebrew University of Jerusalem.

Grants, Honors & Awards

Advanced Research Collaborative Fellowship, 2020
Laboratoires d'excellence OSE research grant, 2018–2019
Best Junior Scholar Paper, Trends in Inequality: Social, Economic and Political Issues, International Conference on Inequality, 2017
Chateaubriand Fellowship, 2017–2018
INET Young Scholars Initiative Travel Grant, 2017
Dan David Prize Scholarship for Young Researchers – for Combatting Poverty, 2016–2017
Israel Ministry of Science, Technology and Space International PhD Travel Grant, 2016
Arie and Ida Crown Memorial Foundation Scholarship, 2015–2016
London Mathematical Laboratory Summer Studentship, 2015
Tauber Family Foundation Scholarship, 2014–2016
Part of the Head of Israeli Atomic Energy Commission Award Winning Team, 2009

Referee

Econometrica, Economica, Journal of the European Economic Association, PLOS ONE.

Additional Professional Positions and Visits

World Inequality Database (WID.WORLD)
Fellow, 2018–present.
Stone Center on Socio-Economic Inequality, City University of New York
Visiting Scholar, 2018–present.
London Mathematical Laboratory
Visiting Scholar, 2015–2018.
Nuclear Research Center – Negev
Researcher, 2008–2012.

Teaching

University of Warwick

Ergodicity in Economics: Spring 2019

Tel Aviv University

Electricity and Magnetism for Medicine Students: Spring 2014, Spring 2015, Spring 2016, Spring 2017
Classical Mechanics for Medicine Students: Autumn 2015, Autumn 2016, Autumn 2017

The Hebrew University of Jerusalem

Talpiot Honors Students Seminar in Physics (lecturer in charge): Spring 2013