



אוניברסיטת בר-אילן  
Bar-Ilan University

Bar-Ilan University  
Faculty of Law & Data Science Institute



The Fund for the Advancement of Humanities and Social Sciences in Israel

## Workshop on Law & Big Data

May 14-15, 2018, Faculty of Law Building 306, room 200

Conference organizers: Ori Aronson, Oren Perez

### Day I: Monday, May 14, 2018

**9:00-9:15** – gathering and greetings

**9:15-10:45 – Session I: New Forms of Prediction and Knowing in Law**

**Daniel Martin Katz**, Chicago-Kent College of Law, *The Three Forms of (Legal) Prediction: Experts, Crowds + Algorithms*

**Oren Tsur**, Ben-Gurion University Dept. of Software & Information Systems Engineering, *A Killer Application – Machine Learning Analysis as Evidence in Court*

**11:00-13:00 – Session II: Law as Text**

**Ori Aronson**, Bar-Ilan University Faculty of Law, *The Uses of the Constitution: an Analysis of Trial Court Reasoning*

**Ittai Bar-Siman-Tov**, Bar-Ilan University Faculty of Law, *Using Data Science to Study the Constitutional Dialogue Between Courts and Legislatures*

**Inbal Yahav**, Bar-Ilan University Graduate School of Business Administration, *Text Mining, Concept Mining: Meta-Analysis of Big Textual Data*

**13:00-13:45** – lunch

**13:45-15:15 – Session III: Law as Network**

**Oren Perez**, Bar-Ilan University Faculty of Law, **Judit Bar Ilan**, Bar-Ilan University Dept. of Information Science, **Reuven Cohen**, Bar-Ilan University Dept. of Mathematics, **Nir Schreiber**, Bar-Ilan University Dept. of Mathematics,

*The Network of Law Reviews: Citation Cartels, Scientific Communities and Journal Rankings*

**Michal Shur-Ofry & Ofer Malcai**, Hebrew University Faculty of Law, *The Networked Nature of Institutions for Collective Action*

**15:30-17:00 – Session IV: Using Big Data to Expose Ethical Biases**

**Tamar Kricheli-Katz**, Tel Aviv University Faculty of Law, **Hagai Porat**, Tel Aviv University Faculty of Law, **Tali Regev**, IDC Herzliya School of Economics, *A Room of One's Own: Race and Sex Discrimination on Airbnb*

**Moran Ofir**, IDC Herzliya Law School, **Tomer Felach**, Hebrew University Faculty of Law, **Uriel Procaccia**, Tel Aviv University Faculty of Law/Hebrew University Center for the Study of Rationality, *Piercing the Corporate Veil: Theoretical Analysis and Empirical Evidence from Israel*

**17:15-18:30 – Round Table:**

**Methodological Frontiers in Law & the Digital Humanities**

Opening remarks: **Shulamit Michaeli**, Vice President for Research, Bar-Ilan University

Moderator: **Oren Perez**, Dean, Bar-Ilan University Faculty of Law

**Ido Dagan**, Director, Data Science Institute, Dept. of Computer Science, Bar-Ilan University

**Daniel Martin Katz**, Chicago-Kent College of Law

**Sinai Rusinek**, Bar-Ilan University Graduate Program in Science, Technology and Society

**Maayan Zhitomirsky-Geffet**, Bar-Ilan University Dept. of Information Science

**19:00-21:00** – dinner (participants only)

### Day II: Tuesday, May 15, 2018

**9:00-10:30 – Session V: Data in the Administrative State**

**Bernard Black**, Northwestern University School of Law, *Health Insurance and Mortality*

**Adi Ayal**, Bar-Ilan University Faculty of Law, *Promoting Small Businesses? Credit Reforms in Israel and the Biases They Create*

**10:45-12:15 – Session VI: Blockchain as a Regulatory Mechanism**

**Miriam Bitton**, Bar-Ilan University Faculty of Law, **Lital Helman**, Ono Academic College Faculty of Law, **Gideon Parchomovsky**, Bar-Ilan University Faculty of Law/University of Pennsylvania Law School, *Blockchain: the Future of Intellectual Property Registries*

**Karen Yeung**, University of Birmingham School of Law/School of Computer Science, *Regulation by Blockchain: The Emerging Battle for Supremacy between the Code of Law and Code as Law*

**12:15-13:00** – lunch

**13:00-14:30 – Session VII: Digital Privacy: Small Data, Big Data**

**Michael Birnhack**, Tel Aviv University Faculty of Law & **Tal Morse**, Hadassah Academic College, *Digital Legacy: Posthumous Privacy and Memory*

**Robin Pierce**, Tilburg Institute for Law Technology and Society, *Machine Learning in Diagnosis and Treatment: Gymnastics for the GDPR*

**14:45-16:15 – Session VIII: Networks of International Law**

**Wolfgang Alschner**, University of Ottawa Faculty of Law, *Changing Treaties, Changing Jurisprudence? The Impact of Treaty Design Differences on Precedential Reasoning in Investment Arbitration*

**Krzysztof J. Pelc**, McGill University Department of Political Science, *The Development Arc of International Courts*

**16:30-18:30 – Workshop: Big Data in Legal Practice**

Co-host: **Yigal Arnon & Co.** Law Firm