Bar-Ilan University
Faculty of Law & Data Science Institute

אוניברסיטת בר-אילן
Bar-Ilan University

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

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

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*

16:30-18:00 – Workshop: Big Data in Legal Practice
Co-host: **Yigal Arnon & Co.** Law Firm

Conference organizers: Ori Aronson, Oren Perez