



ISRAEL  
SCIENCE  
FOUNDATION

RESEARCH WORKSHOP OF THE ISRAEL SCIENCE FOUNDATION



Bar-Ilan  
University

# "Social Network Analysis: Law, Institutions and Transnational Governance"

*December 11-13, 2016*

**Bar-Ilan University**

**The Faculty of Law & Department of  
Mathematics**

**The Benin Faculty of Law building 306, Hall 200, 2<sup>nd</sup> floor**

**Organizers: Reuven Cohen and Oren Perez**

**Sunday, 11 December 2016**

## **09:00 Greetings**

**9:15-10:15 Baruch Barzel, Reuven Cohen & Oren Perez**, Department of Mathematics and Faculty of Law, Bar-Ilan University

Introduction to Network Science - from Structure to Dynamics

Social Network Analysis and the Study of Law

10:15-10:30 Coffee Break

## **10:30-12:30 Network Dynamics between Theory and Practice**

**Frank Schweitzer**, ETH, Zurich

"Resilience of Social Organizations"

**Amiyaal Ilany**, Faculty of Life Sciences, Bar-Ilan University

"The Dynamics of Animal Social Networks: Theory and Practice"

**Philip Leifeld**, School of Social and Political Sciences, University of Glasgow

"Endogenous Coalition Formation in Policy Debates"



12:30-13:30 Lunch

13:30-15:00 **Legal Citations Networks**

**Yonatan Lupu**, Political Science and International Affairs, George Washington University

"Networks of Judicial Precedent on National and International Courts"

**Ariel Nevo**, Faculty of Law, The Hebrew University of Jerusalem

"The 2.1 Generation of Legal Citations Networks: The Challenge of Weighted Network"

15:00 -15: 15 Coffee Break

15:15-16:45 **From Behavior to Dynamics in Networks**

**Yoram Louzoun**, Department of Mathematics, Bar-Ilan University

"Co-Evolution of Node Content and Network Structures – Implications for Machine Learning"

**Sorin Solomon**, The Racah Institute of Physics, The Hebrew University of Jerusalem

"Effects of Top-Down Reaction to Peer-to-Peer Social Network Propagation"



## Monday, 12 December 2016

### 09:00-11:00 Affiliation Networks: Theory and Socio-Legal Applications

**Martin Everett**, School of Social Sciences, University of Manchester

"Analyzing Two-Mode Network Data"

**Oren Perez, Reuven Cohen & Nir Schreiber**, Faculty of Law and  
Department of Mathematics, Bar-Ilan University

"Governance through Global Networks and Corporate  
Signaling"

**Moran Ofir**, Law School, The Interdisciplinary Center

"How Law Changes Networks: A Social Network Analysis of Board  
Interlocks"

11:00-11:15 – Coffee Break

### 11:15-12:45 Networks and Innovation

**Michal Shur-Ofry**, Faculty of Law, The Hebrew University of Jerusalem

"The Diffusion of Legal Innovation - A Mathematical Modeling  
Approach" (with Gadi Fibich & Shira Wultz-Green)

**Adi Ayal**, Faculty of Law, Bar-Ilan University

"Network Regulation: Between Market and Hierarchy?"

12:45-14:00 Lunch

### 14:00-15:30 Citation Analysis and Natural Language Processing in the Study of Law: Three Case Studies

**Judit Bar-Ilan**, Department of Information Science, Bar-Ilan University

"Citation Analysis – Top Legal Journals" (with Reuven Cohen, Oren  
Perez & Nir Schreiber)

**Radboud Winkels**, Faculty of Law, University of Amsterdam



"May it Please the Lawyer": A Recommender System for the Legal Domain

15:30-15:45 Coffee Break

15:45-17:15 **Networks in the Global and Local Economy**

**Tsilly Dagan**, Faculty of Law, Bar-Ilan University

"A Standardized International Tax Network"

**Ilan Talmud**, Department of Sociology, University of Haifa

"Investments and Relations: The Social Organization of Venture Capital Industry in Israel"



**Tuesday, 13 December 2016**

**09:30-11:00 Opinion Dynamics and Regulation in Social Networks**

**Gilad Ravid**, Department of Industrial Engineering and Management, Ben Gurion University

"Self and Institutional Regulation in Online Web Based Communities"  
(with Alon Bartal)

**Michal Lavi**, Faculty of Law, University of Haifa

"Meeting the Challenges of Spreading False Rumors on Social Networks"

**11:00-11:15 Coffee Break**

**11:15-12:00 Philip Leifeld**, School of Social and Political Sciences, University of Glasgow

"Discourse Network Analyzer (DNA): A Content Analysis Software with Network Support"

**12:00-13:00 Lunch**

**13:00-16:30 Workshop on Using SNA in Social-Legal Research – with Martin Everett, Reuven Cohen & Oren Perez**

**PLEASE NOTE CHANGE OF LOCATION: the workshop will take place at the Feldman Building (301), Weisfeld Hall, Ground floor**

**If you are interested in participating in the workshop please register by sending email and short bio to: [saragold18@gmail.com](mailto:saragold18@gmail.com).**