

## CURRICULUM VITAE – RON LAVI

### Academic Degrees

- 2004, Ph.D. in Computer Science, Hebrew University  
1999, M.Sc. in Computer Science, Hebrew University  
1993, B.Sc. in Economics and Computer Science, Hebrew University

### Academic Positions

- 2012 – Present Associate Professor, Faculty of Industrial Engineering and Management, Technion  
2006 – 2012 Senior Lecturer, Faculty of Industrial Engineering and Management, Technion  
2004 – 2006 Post-doctoral fellow, Social and Information Sciences Laboratory, California Institute of Technology

### Other Professional Experience

- 2013 – 2015 Visiting scholar, UC Berkeley (Host: Prof. Christos Papadimitriou)  
2012 – 2013 Academic visitor, Yahoo! Labs, Sunnyvale, CA  
2011 – 2012 Visiting researcher, Microsoft Research Herzliya  
2008 Consultant, Google Tel-Aviv

### Teaching Experience

Designed and taught three courses: Auction Theory (graduate and advanced undergraduate), Auction Theory for MBA, Introduction to Financial Management (a mandatory undergraduate course)

### Public Service

Reviewer and panelist member for NSF, ISF; reviewer for BSF and Netherlands' Organization for Scientific Research, reviewer for: Games and Economic Behavior, SIAM journal on Computing, Algorithmica, Journal of the ACM, Journal of Economic Theory, Operations Research, Operations Research Letters, Journal of Artificial Intelligence Research, IEEE Journal on Selected Areas in Communications, ACM Transactions on Internet Technology, Annals of Mathematics and Artificial Intelligence, Electronic Commerce Research, International Journal of Game Theory, Artificial Intelligence Journal, Mathematical Social Sciences, Information Processing Letters, ACM Transactions on Algorithms, Mathematics of Operations Research, Autonomous Agents and Multi-Agent Systems, IEEE Systems Journal, ACM Transactions on Computation Theory, Dynamic Games and Applications, European Journal of Operations Research, CS conferences as FOCS, STOC, SODA, ACM-EC, PODC, WINE, APPROX, AAAI, IJCAI

### Graduate Students

- Irena Schein**, M.Sc. 2010, "Bayesian Analysis of Sequential Auctions under Future Uncertainties"  
**Liri Finkelstein**, M.Sc. 2011, "Two Algorithms for the Matroid Secretary Problem"  
**Alex Bogautov**, M.Sc. 2011, "Iterated Deletion of P-Dominated Strategies in Discrete Position Auctions"  
**Marina May**, M.Sc. 2011, "The Incompatibility of Strategy-proofness and Pareto-optimality in Quasi-linear Settings with Public Budget Constraints"

## Post-doctoral Students

**Oren Ben-Zwi**, 2010 – 2012

**Amitabh Trehan**, 2010 – 2012

## Short-time Visitors

|                      |                                                                       |
|----------------------|-----------------------------------------------------------------------|
| February 2008        | <b>Prof. Bruce Hajek</b> , University of Illinois at Urbana-Champaign |
| February – July 2008 | <b>Shahar Dobzinski</b> , Graduate student, Hebrew University         |
| December 2008        | <b>Prof. Robert Kleinberg</b> , Cornell University                    |
| October 2009         | <b>Dr. Piotr Krysta</b> , University of Liverpool                     |
| December 2011        | <b>Dr. Sophie Bade</b> , Max Planck Institute                         |

## Participation in Program Committees

The ACM Conference on Electronic Commerce (**EC**), 2006 – 2014  
The National Conference on Artificial Intelligence (**AAAI**), 2006 – 2008  
Theoretical Aspects of Rationality and Knowledge (**TARK**), 2007  
International Symposium on Algorithmic Game Theory (**SAGT**), 2009, 2011, 2014 (chair)  
Workshop on Internet and Network Economics (**WINE**), 2009, 2011, 2014  
The 6th Workshop on Ad Auctions, Harvard University, 2010  
The 11th Meeting of the Society for Social Choice and Welfare, New-Delhi, India, 2012  
Workshop on the economics of web search and social networks, Rome, Italy, February 2013  
The 3rd Workshop on Social Computing and User Generated Content, University of Pennsylvania, June 2013  
The 2013 biannual conference of the Society for Economic Design, Lund, Sweden, July 2013

## Participation in Organizing Committees

- The 2005 SISL workshop, California Institute of Technology, October 2005
- Workshop on Alternative Solution Concepts in Mechanism Design, University of Michigan, June 2006
- Electronic-Commerce Day 2012, Technion, May 2012
- The 7<sup>th</sup> International Symposium on Algorithmic Game Theory (SAGT), Technion, September 2014

## Funding

**2007 – 2010** “Algorithmic Game Theory for Auction Design and Electronic Social Systems”. Israel Science Foundation (ISF). (\$30,000 per year, sole PI)

**2007 – 2011** “Impossibilities and Alternative Solution Concepts for Algorithmic Mechanism Design”. US-Israel Bi-national Science Foundation (BSF), joint with Prof. Kleinberg from Cornell. (\$12,500 per year, per PI)

**2010 – 2012** “Manipulation-Resistant Protocols for the Internet”. Israeli Ministry of Science, joint with Sarit Kraus, Yishay Mansour, and Jeff Rosenschein. (\$16,000 per year, per PI)

**2011 – 2013** A grant from the Google inter-university center for Electronic Markets and Auctions, joint with 22 researchers from Hebrew Univ., Tel-Aviv Univ., Technion, and Bar-Ilan Univ. (\$30,000 per year per PI)

**2012** A grant from the Technion-Microsoft research center, for two projects: “Composition Games for Distributed Systems” (joint with Shay Kutten), and “Pricing in Cloud Computing and Online Auctions” (joint with Seffi Naor). (\$20,000 per PI)

## **Honors**

- 2013** A Marie-Curie IOF Fellowship from the European Commission
- 2012** Award for Research Cooperation and High Excellence in Science (ARCHES) -- a prize funded by the Federal German Ministry of Education and Research, via the MINERVA foundation.
- 2009** Outstanding Paper Award, the 10th ACM Conference on Electronic Commerce.
- 2003-2004** Study scholarship from the authority for research students, The Hebrew University
- 2003-2004** Leibniz Student Fellowship, Hebrew University
- 2001-2004** Vatat scholarship for Ph.D. studies, Hebrew University.
- 1992** Dean's list of excellent undergraduate students, Hebrew University.

## **Selected invited talks**

- Electronic Market Design, Schloss Dagstuhl, Germany, 2002
- Algorithmic Game Theory and the Internet, Schloss Dagstuhl, Germany, 2003
- DIMACS workshop on large-scale games, Northwestern University, 2005
- INFORMS 2005 annual meeting, San Francisco, 2005
- Second Bertinoro Workshop on Algorithmic Game Theory, Italy, 2006
- Computational Social Systems and the Internet, Schloss Dagstuhl, Germany, 2007
- DIMACS workshop on the Boundary between Economic Theory and Computer Science, Rutgers U., 2007
- Multidimensional Mechanism Design, Hausdorff Research Institute for Mathematics, Bonn, Germany, 2009
- The Hitotsubashi Conference on Choice, Games, and Welfare, Tokyo, Japan, 2009.
- Third Bertinoro Workshop on Algorithmic Game Theory, Italy, 2010
- Midwest Economic Theory Meeting, Northwestern University, 2010
- Workshop on Prior-free Mechanism Design, Center for Mathematical Research (CIMAT), Mexico, 2010
- Sixth Ad Auctions Workshop, Harvard University, 2010
- Reasoning about Interaction: From Game Theory to Logic and Back, Schloss Dagstuhl, Germany, 2011
- Tel Aviv International Ad Auctions Workshop, Tel-Aviv University, June 2011
- New Trends in Mechanism Design, Center for Electronic Markets, Copenhagen Business School, 2011
- The Arne Ryde Memorial Lectures 2011, Lund University, Sweden, 2011
- The 2012 NSF/CEME Decentralization conference, California Institute of Technology, 2012
- The 4th Israeli Game theory Conference, Tel-Aviv University, 2012
- Summer school on Algorithmic Game Theory, Samos, Greece, 2012