

## **Dov Monderer—short CV**

Luxenberg Professor of Operations Research and Economics,  
Faculty of Industrial Engineering and Management,  
The Technion

### **Academic Degrees**

Ph.D. 1980 – 1986, Mathematics, Tel Aviv University, Israel.

### **Academic Appointment**

- 1999- Incumbent of the Luxenberg Chair in Economics.
- 1998- Professor, Faculty of Industrial Engineering and Management, Technion, Haifa, Israel.  
Before, I was Associate Professor (with tenure) 1993-1998, Senior Lecturer, 1989-1992.

### **Memberships in Editorial Boards:**

- 1995 - 1999: Associate Editor of *Mathematics of Operation Research*.
- 1995 - 2004: Associate Editor of *Games and Economic Behavior*.
- 1995 - Present: Associate Editor of *International Journal of Game Theory*.

### **Honors**

- 1997 – The Taub Prize for Excellence in research (Technion, Israel).
- 1999- Charter Member of the Game Theory Society.
- 2005- Member of the Council of the Game Theory Society.

### **Graduate Students**

- Irit Talmor, M.Sc., (Operations Research), 1992: "Signaling Games", Aner Sela, M.Sc., (Economics), 1992: "Learning Processes in Game Theory",  
Ilana Weismann, M.Sc., (Applied Math.), 1992: "Bargaining sets". Zeev Nutov, M.Sc., (Applied Math.), 1992: "The Binary Stochastic Choice Problem". Co-supervisor: Michal Penn.  
Yaron Leitner, M.Sc., (Operations Research), 1995: "Collusion in Noncooperative Games". Eyal Chermony, M.Sc., (Economics), 1996: "Auctions and Imperfect Competition".  
Shlomit Hon-Snir, M.Sc., (Economics), 1996: "Discrete Models and Learning in Auctions",  
Ph.D., 2001 "Utility Equivalence in Auctions". Aner Sela, Ph.D., (Economics), 1996: "Learning Processes in Games". Co-supervisor, Dov Samet. Shlomit Hon-Snir, Ph.D., (Economics), 2001 "Utility Equivalence in Auctions".  
Noa Kfir-Dahav, Ph.D., (Information Systems), 2003: "Resource Bounded Mechanism Design". Co-Supervisor: Moshe Tennenholtz. Itai Ashlagi, M.Sc., (Operations Research), 2005: "The Value of Correlation in Strategic Form Games". Ph.D., (Operations Research), 2008: "Pre-Bayesian Games". Co-Supervisor: Moshe Tennenholtz.

## Research Grants

1998 - 2001: Ministry of Science, "Adapting Economic Models to the Internet". Project Coordinator. Joint with 7 researchers. 1999 - 2002: Israel Science Foundation. "Internet Auctions". joint with Doron Sonsino. 2003 – 2005: BIKURA a special grant of Israel Science Foundation. "Peer-to-Peer Models". Joint with Shay Kutten. 2004-2006: ISF. "Characterization of equilibrium in combinatorial auctions". Joint with Ron Holzman. 2007-2011: GIF, "*Generalized congestion games*", joint with Berthold Voeking and Moshe Tennenholtz (replaced by Michal Penn). 2008-2012: FIRST-ISF, "*Network representations of games: A graph theoretic approach to economic interactions*", joint with Ron Holzman. 2008-2011: ISF, "*Mediators in games with incomplete information*". 2012-2014: Microsoft, "*Competition among Markets*", joint with Rann Smorodinsky and Moshe Tennenholtz.

## Conferences

### Invited talks (a partial list):

The International Conference on Game Theory at Columbus, Ohio, July 1989:  
 "The Method of Multilinear Approximation". TOSS Conference, Montreal, July 1995:  
 "Multistage Situations and Auctions". The International Conference on Game Theory at Stony Brook New York, July 1995: "Belief Affirming in Learning Processes". The AAI Spring Symposium, Stanford University, March 1997: "Decision Theory in Economics". The International Conference on Game Theory at Stony Brook New York, July 1997:  
 "Distributed Games". Nonatomic Games Conference at Stony Brook New York, July 1998:  
 "Core of Convex games". The Microeconomics Conference at Northwestern University, July 1999: "Distributed games: From Mechanisms to Protocols". Auction Theory Conference, Heidelberg, Germany, June 2000, "From Mechanisms to Protocols". E-Commerce Conference. Maastricht, Holland, July 2001: "Equilibrium in games without probabilistic information". Games and Computers Conference, Valencia, Spain, June 2001, "Equilibrium in games without probabilistic information". Economic Theory&Computer Science, Dagshtul, Germany, July 2002, "Bundling Equilibrium". Game Theory Conference, Mumbai, India, January 2003: "A Characterization of Ex Post Equilibrium in the VCG combinatorial Auctions". TARK, Bloomington Indiana, June 2003: "Economic Efficiency versus Communication Complexity". Fifty years of the Shapley Value, Stony Brook, NY, July 2003: "The Shapley Value, Congestion Games, and Auctions". Stanford Institute for Theoretical Economics Conference, July 2004: "Solution-Based Congestion Games and "Multipotential Games". 3rd International Conference on Mathematical Analysis in Economic Theory, Tokyo, Japan, December 2004: "Solution-Based Congestion Games and Multipotential Games". Dagstuhl Workshop on Markets and Computation, Dagstuhl, Germany, January 2005: "Solution-Based Congestion Games and Multipotential Games".

### Contributed talks (a partial list):

The reunion of the special year on Game Theory and Mathematical Economics, the Hebrew University of Jerusalem, June 1985: " $\mu$ -Values on  $bv'Na(\mu)$ ". The International Conference on Game Theory at Columbus Ohio, June 1987: "A Milnor Condition for Nonatomic Lipschitz Games and Its Applications". The International Conference on Game Theory at Columbus Ohio, June 1988: "Weighted Shapley Values and the Core". The 838<sup>th</sup> Meeting of the American Mathematical Society at the University of California, November 1987: "Measure-Based Values of Nonatomic Games". The International Conference on Game Theory at Columbus, Ohio, June

1988: "Potential Games". The International Conference on Game Theory at Stony Brooke, New York, July 1990: "Proximity of Information in Games with Incomplete Information". The International Conference on Game Theory at Stony Brooke, New York, July 1991: "Stochastic Common Learning". The International Conference on Decentralization, Arizona, April 1992: "Potential Games". The International Conference on Game Theory at Stony Brooke, New York, July 1993: "Fictitious Play". The International Conference on Game Theory at Stony Brooke, New York, July 1993: "Multistage Situations". The Meeting of the Mathematical Society, 1994: "Potential; Weighted Values of Non-Atomic Games". The International Conference on Game Theory at Jerusalem, June 1995: "Belief Affirming in Learning Processes". The Microeconomic Conference at Northwestern University, August 1996: "Learning in Auctions". The Microeconomic Conference and TARK at Northwestern University, July 1998: "Distributed Games". Auction Workshop Heidelberg, Germany, July 2000: "Distributed Games: From Mechanisms to Protocols". Dagstuhl Workshop on Markets and Computation, Dagstuhl, Germany, January 2005: "Solution-Based Congestion Games" and "Multipotential Games". March, 2011, Schloss Dagstuhl - Leibniz-Center for Informatics, Germany, October, 2011, SAGT 2011, Salerno - Amalfi Coast, Italy, (*Member of the Steering Committee*) October 2013, SAGT 2013, Aachen, Germany, (*Member of the Steering Committee*).