

-
- SKILLS
- Quantitative/statistical analysis (dissertation work, graduate-level statistics and econometrics classes, doctoral-level industrial-organization class);
 - Computer simulation, numeric estimation, and agent-based modelling (dissertation work and doctoral-level coursework);
 - Mathematical and game-theoretic modelling (dissertation work and doctoral-level coursework);
 - Electronic commerce (doctoral-level course);
 - Contract theory and industrial organization (doctoral-level coursework);
 - Human-subject experiments (designing and conducting: ch. 3 of dissertation and doctoral-level coursework);
 - Economic analysis of computer-assisted market mechanisms (dissertation, ch. 1–2; publication in the *B.E. Journal of Theoretical Economics*);
 - Design and analysis of trading agents (dissertation, ch. 1–2; BEJTE);
 - Design and analysis of automated pricing policies for computationally complex auction/market mechanisms (dissertation, ch. 1–2; BEJTE);
 - Strong analytical skills, ability to solve abstract problems (doctoral-level training);
 - Strong written and communication skills (research publications and presentations; teaching);
 - Academic instruction (worked as Graduate Student Instructor for 3 semesters);
 - Qualitative analysis (doctoral-level course on research methods);
 - Social-network analysis and visualization (doctoral-level course and course project);
 - Ability to work in multidisciplinary environments and communicate technical material to mixed audiences (member of the Integrative Graduate Education and Research Traineeship Program; taught technical material to students of human-computer interaction, library science, and information economics; presented in regular seminars to audiences with business, economic, legal, and computer-science backgrounds);
 - Leadership skills (co-supervised 15 students and mentors during a summer program for undergraduate researchers).

-
- PUBLICATIONS
- Bidding Strategies for Simultaneous Ascending Auctions**, Michael P. Wellman, Anna Osepayshvili, Jeffrey K. MacKie-Mason, and Daniel M. Reeves, *The B.E. Journal of Theoretical Economics*, Vol. 8, No. 1, Article 27, December 2008.
- Self-Confirming Price Prediction for Bidding in Simultaneous Ascending Auctions**, Anna V. Osepayshvili, Michael P. Wellman, Daniel M. Reeves, and Jeffrey K. MacKie-Mason, In *Proceedings of the 21st Conference on Uncertainty in Artificial Intelligence (UAI 2005)*, July 2005.
- Price Prediction Strategies for Market-Based Scheduling**, Jeffrey K. MacKie-Mason, Anna V. Osepayshvili, Daniel M. Reeves and Micheal P. Wellman, In *Proceedings of the 18th International Conference on Automated Planning and Scheduling (ICAPS-2004)*, June 2004.
- Exploring Bidding Strategies for Market-Based Scheduling**, Daniel M. Reeves, Michael P. Wellman, Jeffrey K. MacKie-Mason, and Anna V. Osepayshvili, *Decision Support Systems*, Vol. 39, No. 1, pp. 67-85, March 2005.

-
- WORKING PAPERS
- Learning Bayesian Nash Equilibrium: An Experimental Study**, joint work with Yan Chen.
- Competition Between Firms that Bundle Information Goods**, joint work with Scott A. Fay and Jeffrey K. MacKie-Mason.

-
- UNPUBLISHED MANUSCRIPTS
- A Networks Approach to Understanding Shilling on eBay**, joint work with Tapan Khopkar, supervised by Lada Adamic. Final project paper for the course *Networks: Theory and Application*, August 2007.
- Network Externalities: An Experimental Study**, supervised by Yan Chen. Final project paper for the course *Experimental Methods*, December 2004.

PRESENTATIONS **Learning Bayesian Nash Equilibrium: An Experimental Study**, presentation of joint work with Yan Chen, *The FIRST series of invited talks from SI graduate students, School of Information, University of Michigan*, April 2008.

Learning Bayesian Nash Equilibrium: An Experimental Study, presentation of joint work with Yan Chen, *STIET Research Workshop, Wayne State University*, November 2007.

Augmenting Strategic Decisions of Human Participants in Distributed Resource Allocation Mechanisms, *The 2006 i-Conference Doctoral Colloquium, University of Michigan*, October 2006.

Self-Confirming Price Prediction in Simultaneous Ascending Auctions, poster presentation of joint work with Jeffrey K. MacKie-Mason, Daniel M. Reeves and Michael P. Wellman, *The 2006 NYU/CeDER Summer Workshop on the Economics of Information Technology, New York University*, June 2006.

Demand Reduction in Simultaneous Ascending Auctions Selling Homogeneous Goods, presentation of joint work with Jeffrey K. MacKie-Mason, Daniel M. Reeves and Michael P. Wellman, *STIET Research Workshop, University of Michigan*, May 2006.

Price Prediction Strategies for Market-Based Scheduling, presentation of joint work with Jeffrey K. MacKie-Mason, Daniel M. Reeves and Michael P. Wellman, *STIET Research Workshop, University of Michigan*, October 2003.

Foreign Investment Projects in Russia, Anna Osepayshvili. Presented at the *Workshop on Reforms in Russia and Management Problems, Moscow State Linguistics University, Moscow*, 2001.

COMPUTER/
PROGRAMMING
SKILLS

- C++ (e.g., wrote an auction simulator and other software for dissertation research);
- Unix/Linux programming (e.g., wrote Perl and Shell scrips for dissertation data analysis; used Linux systems as default OS systems for over 8 years);
- Version control software (Subversion);
- Symbolic and numeric mathematical programming (Mathematica, Matlab; e.g., developed design for human-subject experiment, implemented learning models and analyzed experimental data);
- Statistical programming (Stata, R; used in graduate courses and for dissertation data analysis);
- Experimental-economics programming (zTree; used to implement experimental software for dissertation research);
- Windows OS and various applications (e.g., MS Office);
- Open-source alternatives to Windows OS applications (e.g., Open Office, Emacs, LaTeX/BibTeX);
- Data-analysis and visualization tools for networks (Guess, basic level);
- Agent-based programmable modelling (NetLogo, basic level);
- Web programming (HTML and CSS, basic level: made a home page).

LANGUAGE
SKILLS

Besides English:

- Russian, native;
- French, intermediate (5-year course sequence at the MSLU and a semester at the UM);
- German, basic (2-year course sequence at the MSLU).

PROFESSIONAL
SERVICE

- Reviewer for Resource Allocation on Wireless Networks, 2010;
- Reviewer for The Journal of Media Economics, 2009;
- Reviewer for European Journal of Operational Research, 2007;
- Reviewer for ACM Conference on Electronic Commerce, 2007;
- Reviewer for Information Sciences, 2006;
- Reviewer for Parallel Computing, 2006;
- Reviewer for The Journal of Electronic Publishing, 2005.

PROFESSIONAL
AFFILIATIONS

Incentive-Centered Design (ICD/STIET), IGERT Doctoral Training Program, University of Michigan, Ann Arbor, MI, Member (January 2005–December 2008).

Moscow State Linguistics University Student Economics Association, Moscow, Russia, Chair (September 1999–May 2002).