

Oleg V. Baranov

Contact Information:

Department of Economics
University of Colorado at Boulder
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Citizenship:

USA
Russia

EMPLOYMENT

Assistant Professor, Department of Economics, University of Colorado at Boulder
(2011 – current)

OTHER AFFILIATIONS

Academic Affiliate, Power Auctions LLC (2008 – current)

EDUCATION

Ph.D., Economics, University of Maryland (2011)
M.A., Economics, University of Maryland (2009)
M.A., Economics, New Economic School, Moscow (2006)
Specialist Degree, Applied Mathematics and Computer Science, Lomonosov
Moscow State University, Moscow, 2005

FIELDS OF INTEREST

Auction Theory, Market Design, Game Theory, Microeconomics, Computational
Economics

JOURNAL PUBLICATIONS

“Revealed Preference and Activity Rules in Dynamic Auctions,” (with Lawrence
Ausubel), *International Economic Review*, 61(2): 471-502, 2020 (*lead article*)

“Core-Selecting Auctions with Incomplete Information,” (with Lawrence Ausubel),
International Journal of Game Theory, 49(1): 251-273, 2020

“An Efficient Ascending Auction for Private Valuations,” *Journal of Economic
Theory*, 177: 495-517, 2018

“A Practical Guide to the Combinatorial Clock Auction,” (with Lawrence Ausubel),
The Economic Journal, 127(605): F334-F350, 2017
reprinted in Bichler, Martin, and Jacob K. Goeree, eds. *Handbook of
Spectrum Auction Design*. Cambridge University Press, 2017.

“Efficient Procurement Auctions with Increasing Returns,” (with Christina Aperjis, Lawrence Ausubel and Thayer Morrill), *AEJ: Microeconomics*, 9(3): 1-27, 2017 (lead article)

“Market Design and the Evolution of the Combinatorial Clock Auction,” (with Lawrence Ausubel), *American Economic Review (Papers & Proceedings)*, 104(5): 446-451, May 2014
reprinted in Bichler, Martin, and Jacob K. Goeree, eds. *Handbook of Spectrum Auction Design*. Cambridge University Press, 2017.

UNDER REVIEW

“VCG, the Core and Assignment Stages in Auctions,” (with Lawrence Ausubel), under review, October 2021

WORKING PAPERS NOT YET SUBMITTED

“Spectrum Auctions as Games: Playing the Get Out of Jail Free Card” (with Lawrence Ausubel and Sam Dinkin), October 2021

“Modeling Two-Stage Auctions,” (with Lawrence Ausubel), July 2021

“Supply Reduction in the Broadcast Incentive Auction,” (with Christina Aperjis and Lawrence Ausubel), October 2019

“Market Design and the FCC Incentive Auction,” (with Christina Aperjis and Lawrence Ausubel), January 2018

“Iterative Vickrey Pricing in Dynamic Auctions,” (with Lawrence Ausubel), December 2018

WORK IN PROGRESS

“Exposure vs. Free-Riding in Auctions with Incomplete Information,” November 2013 (inactive)

“Testing for Gross Substitution,” April 2019

“Is the GARP activity rule viable in practice?” (with Lawrence Ausubel), June 2019

PATENTS

“System and Method for Enhanced Clock Auctions and Combinatorial Clock Auctions,” (with Lawrence Ausubel), *application pending* (filed on March 2013)

INVITED WORKSHOPS/SEMINARS AND CONFERENCES

| | |
|----------------|--|
| December 2021 | Higher School of Economics, St. Petersburg, Russia |
| December 2021 | Higher School of Economics, Moscow, Russia |
| November 2021 | University of Maryland, College Park, USA (virtual) |
| October 2021 | INFORMS Annual Virtual Meeting (virtual) |
| October 2021 | UCLA, Los Angeles, USA (virtual) |
| July 2021 | GAMES 2020, Budapest, Hungary (virtual) |
| November 2020 | INFORMS Annual Virtual Meeting (virtual) |
| December 2019 | ICEF, Higher School of Economics, Moscow, Russia |
| December 2019 | Higher School of Economics, St. Petersburg, Russia |
| December 2019 | New Economic School, Moscow, Russia |
| December 2019 | University of Zurich, Switzerland |
| November 2019 | Higher School of Economics, Moscow, Russia |
| October 2019 | INFORMS Annual Meeting, Seattle |
| October 2019 | NBER Market Design Workshop, Cambridge (<i>presented by coauthor</i>) |
| June 2019 | Conference on Economic Design (CED), Budapest, Hungary |
| November 2018 | INFORMS Annual Meeting, Phoenix |
| June 2018 | Workshop on Mathematical Optimization in Market Design, Cornell University |
| October 2017 | INFORMS Annual Meeting, Houston |
| October 2017 | NBER Market Design Workshop, Cambridge (<i>presented by coauthor</i>) |
| June 2017 | Conference on Economic Design (CED), York, UK |
| November 2016 | INFORMS Annual Meeting, Nashville |
| October 2016 | NBER Market Design Workshop, Stanford University (<i>presented by coauthor</i>) |
| August 2016 | Auctions and Market Design Workshop, University of Vienna |
| July 2016 | GAMES 2016, Maastricht (<i>cancelled due to personal reasons</i>) |
| May 2016 | University of Maryland, College Park, USA |
| November 2015 | INFORMS Annual Meeting, Philadelphia |
| September 2015 | International Conference on Operations Research, Vienna, Austria |
| November 2014 | Lessons Learned Workshop on Canada’s 700 MHz Spectrum Auction, Ottawa |
| November 2014 | INFORMS Annual Meeting, San Francisco |
| September 2014 | International Conference on Operations Research, Aachen, Germany |
| October 2013 | INFORMS Annual Meeting, Minneapolis |
| September 2013 | Combinatorial Auctions for Spectrum: State of the Art – Ofcom/LSE Workshop, London, UK |

July 2013 New Economic School, Moscow, Russia
October 2012 INFORMS Annual Meeting, Phoenix
October 2010 NBER Market Design Workshop, Cambridge

FELLOWSHIPS AND AWARDS

ASFE travel grant, University of Colorado, 2018
ASFE travel grant, University of Colorado, 2017
Graduate Assistantship, University of Maryland, 2007 - 2011
Fellowship, University of Maryland, 2006 - 2007
Fellowship, New Economic School, Moscow, 2005 - 2006
Fellowship, Moscow State University, Moscow, 2000 – 2005

TEACHING EXPERIENCE

University of Colorado at Boulder

Graduate: Microeconomic Theory 2
 Advanced Economic Theory
Undergraduate: Introduction to Econometrics
 Market Design
 Topics in Microeconomics

DEPARTMENTAL SERVICE

Undergraduate Curriculum Committee, 2011-2013, 2015 - present
Computing Resources Committee, 2011 – 2015
Graduate Admissions and Assistance Committee, 2011 - present

ADVISING

Ph.D. Student Dissertation Committees

Seamus Li, 2018
Yucheng Ding, 2015

Undergraduate Honors Students – Primary Advisor

Lane Ginsbern, 2016 - 2017, *summa cum laude*
Samuel Dages, 2020 – 2021, *summa cum laude*

PROFESSIONAL SERVICE

Referee: Games and Economic Behavior, Theoretical Economics, Review of Economic Design, International Journal of Game Theory, Strategic Behavior and the Environment, Econometrica, International Journal of Industrial Organization, The RAND Journal of Economics, Journal of Economic Theory, Journal of the

European Economic Association, Journal of Economic Behavior and Organization, Management Science, Journal of Mathematical Economics, International Economic Review

Invited Associate Editor: Information Systems Research

Reviewer: Social Sciences and Humanities Research Council of Canada, Israel Science Foundation

Program Committee: ACM EC'18 (Conference on Economics and Computation)

PROFESSIONAL AFFILIATIONS

American Economic Association
INFORMS
Society for Economic Design

REFERENCES

Peter Cramton

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University of Cologne, Germany
University of Maryland, USA
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School of Business
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University of Maryland, USA
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Technical University of Munich, Germany
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