

## Oleg V. Baranov

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### Contact Information:

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Higher School of Economics  
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### EMPLOYMENT

Assistant Professor, Faculty of Economic Studies, Higher School of Economics  
(2022 – current)  
Assistant Professor, Department of Economics, University of Colorado at Boulder  
(2011 – 2022)

### 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, December 2022

## **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

October 2022	Workshop on Information Economics, HSE, Moscow, Russia
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**

### **Higher School of Economics**

Undergraduate:      Microeconomics-2  
Applied Market Design

### **University of Colorado at Boulder**

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

## **DEPARTMENTAL SERVICE**

### **University of Colorado at Boulder**

Undergraduate Curriculum Committee, 2011-2013, 2015 - 2020  
Computing Resources Committee, 2011 – 2015  
Graduate Admissions and Assistance Committee, 2011 - 2020

## **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'22 (Conference on Economics and Computation), ACM EC'18 (Conference on Economics and Computation)

## PROFESSIONAL AFFILIATIONS

American Economic Association  
INFORMS  
Society for Economic Design

## REFERENCES

### **Peter Cramton**

Professor of Economics  
University of Cologne, Germany  
University of Maryland, USA  
[pcramton@gmail.com](mailto:pcramton@gmail.com)  
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### **Robert W. Day**

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School of Business  
University of Connecticut, USA  
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### **Lawrence M. Ausubel**

Professor of Economics  
University of Maryland, USA  
[ausubela@econ.umd.edu](mailto:ausbela@econ.umd.edu)  
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### **Martin Bichler**

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