KOSTAS BIMPIKIS

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Stanford University
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ACADEMIC APPOINTMENTS

Graduate School of Business Stanford, CA
Stanford University
Associate Professor of Operations, Information, and Technology (with tenure since 2019) 2015-present
Assistant Professor of Operations, Information, and Technology 2011-2015

PROFESSIONAL EMPLOYMENT

Amazon.com Palo Alto, CA
Amazon Scholar 2020-present

Microsoft Research New England Cambridge, MA
Post-doctoral Research Fellow 2010-2011

Hewlett Packard Labs Palo Alto, CA
Summer Intern Summer 2008

EDUCATION

Massachusetts Institute of Technology Cambridge, MA
Operations Research Center August 2010
Ph.D. in Operations Research
Advisors: Prof. Daron Acemoglu and Prof. Asu Ozdaglar

University of California, San Diego La Jolla, CA
Department of Computer Science and Engineering August 2005
M.S. in Computer Science

National Technical University of Athens, Greece Athens, Greece
Department of Electrical and Computer Engineering June 2003
B.S. in Electrical Engineering

PROFESSIONAL SERVICE

Stanford GSB

Co-liaison: OIT PhD Program (2014-2019)

Organizer: OIT Seminar Series (2012-2017)

Academic Community

Associate Editor: Management Science, Operations Research, M&SOM, Naval Research Logistics

Co-organizer: 2019 INFORMS RM&P Conference

Program Committees: EC (2016, 2018, 2019, 2020), NetEcon (2011, 2013, 2015, 2020), WINE 2010

Referee:

- Operations Research, Management Science, Manufacturing & Service Operations Management, Mathematics of Operations Research, Production and Operations Management
- Econometrica, Review of Economic Studies, Quarterly Journal of Economics, Theoretical Economics, Journal of Economic Theory, AEJ: Microeconomics, Games and Economic Behavior
- IEEE Transactions on Automatic Control

Judge: Nicholson Student Paper Competition (2012-2014)

Judge: MSOM Student Paper Competition (2012-2019)

Judge: POMS College of Supply Chain Management Student Paper Competition (2015-2017)

JOURNAL PUBLICATIONS

(1) Data Tracking under Competition
(with Ilan Morgenstern and Daniela Saban)
Operations Research, *forthcoming*

(2) Information Disclosure in Service Platforms: Optimizing for Supply
(with Yiangos Papanastasiou and Wenchang Zhang)
Management Science, *forthcoming*

(3) Strategic Release of Information in Platforms: Entry, Competition, and Welfare
(with Giacomo Mantegazza)
Operations Research, *forthcoming*

(4) Government Interventions to Promote Agricultural Innovation
(with Duygu Akkaya and Hau Lee)
M&SOM, 23(2), March-April 2021

(5) Managing Market Thickness in Online B2B Markets
(with Wedad J. Elmaghraby, Ken Moon, and Wenchang Zhang)
- Winner of the 2017 Service Science Section Student Paper Award (for W Zhang)
Management Science, 66(12), December 2020

(6) Supply Disruptions and Optimal Network Structures
(with Ozan Candogan and Shayan Ehsani)
Management Science, 65(12), December 2019

(7) Spatial Pricing in Ride-Sharing Networks
(with Ozan Candogan and Daniela Saban)
Operations Research, 67(3), May-June 2019

(8) Cournot Competition in Networked Markets
(with Shayan Ehsani and Rahmi Ilkilic)
Management Science, 65(6), June 2019

(9) Information Sale and Competition
(with Davide Crapis and Alireza Tahbaz-Salehi)
Management Science, 65(6), June 2019

(10) Learning and Hierarchies in Service Systems
(with Mihalis G. Markakis)
Management Science, 65(3), March 2019

(11) Designing Dynamic Contests
(with Shayan Ehsani and Mohamed Mostagir)
Operations Research, 67(2), March-April 2019

(12) Multi-Sourcing and Miscoordination in Supply Chain Networks
(with Doug Fearing and Alireza Tahbaz-Salehi)
Operations Research, 66(4), July-August 2018

(13) Crowdsourcing Exploration
(with Yiangos Papanastasiou and Nicos Savva)
Management Science, 64(4), April 2018

(14) Randomized Markdowns and Online Monitoring
(with Ken Moon and Haim Mendelson)
Management Science, 64(3), March 2018

(15) Dynamic Learning of Patient Response Types: An Application to Treating Chronic Diseases
(with Diana Negoescu, Margaret Brandeau, and Dan Iancu)
Management Science, 64(8), August 2018
- Finalist for the 2014 Pierskalla Award.

(16) Competitive Targeted Advertising over Networks
(with Asu Ozdaglar and Ercan Yildiz)
Operations Research, 64(3), May-June 2016

(17) Inventory Pooling with Heavy-Tailed Demand
(with Mihalis G. Markakis)
Management Science, 62(6), June 2016

(18) Dynamics of Information Exchange in Endogenous Social Networks
(with Daron Acemoglu and Asu Ozdaglar)
Theoretical Economics, 9(1), January 2014

(19) Optimal Pricing in Networks with Externalities
(with Ozan Candogan and Asu Ozdaglar)
Operations Research, 60(4), July-August 2012

(20) Experimentation, Patents, and Innovation
(with Daron Acemoglu and Asu Ozdaglar)
American Economic Journal: Microeconomics, 3(1), February 2011

(21) Price and Capacity Competition
(with Daron Acemoglu and Asu Ozdaglar)
Games and Economic Behavior, 66(1), May 2009

WORKING PAPERS

(22) Market Fragmentation and Inefficiencies in Maritime Shipping
(with Giacomo Mantegazza)

OTHER PUBLICATIONS

(23) Inducing Exploration in Service Platforms
(with Yiangos Papanastasiou)
Chapter in *Sharing Economy: Making Supply Meet Demand*, M. Hu (Ed.)
Springer Series in Supply Chain Management, C. Tang (Series Ed.)

PEER-REVIEWED CONFERENCE PUBLICATIONS (PARTIAL LIST)

(C1) The Welfare Effects of Data Tracking
(with Ilan Morgenstern and Daniela Saban)
ACM Economics and Computation (EC), 2021

(C2) Spatial Pricing in Ride-Sharing Networks
(with Ozan Candogan and Daniela Saban)
Workshop on the Economics of Networks, Systems and Computation (NetEcon), 2017

(C3) Designing Dynamic Contests
(with Shayan Ehsani and Mohamed Mostagir)
ACM Economics and Computation (EC), 2015

(C4) Cournot Competition in Networked Markets
(with Shayan Ehsani and Rahmi Ilkilic)
ACM Economics and Computation (EC), 2014

(C5) Optimal Pricing in Networks with Local Network Effects
(with Ozan Candogan and Asu Ozdaglar)
Workshop in Network Economics (WINE), 2010

(C6) Forming Information Networks
(with Daron Acemoglu and Asu Ozdaglar)
Allerton, 2010

(C7) Communication and Learning in Social Networks: Partial Results
(with Daron Acemoglu and Asu Ozdaglar)
Allerton, 2009

(C8) Competition with Atomic Users
(with Asu Ozdaglar)
Asilomar, 2007

(C9) Partial Results on Capacity Competition
(with Daron Acemoglu and Asu Ozdaglar)
Allerton, 2006

PHD STUDENTS

Current

Ilan Morgenstern, Stanford GSB (co-advised with Daniela Saban)

Giacomo Mantegazza, Stanford GSB

Past

Wenchang Zhang, University of Maryland (co-advised with Wedad Elmaghraby)
Placement: Assistant Professor at the Kelley School of Business, Indiana University

Ken Moon, Stanford GSB (co-advised with Haim Mendelson)
Placement: Assistant Professor at Wharton

Shayan Ehsani, Stanford MS&E
Placement: Uber Technologies

Yiangos Papanastasiou, LBS (co-advised with Nicos Savva)
Placement: Assistant Professor at UC Berkeley Haas

Diana Negoescu, Stanford MS&E (co-advised with Margaret Brandeau and Dan Iancu)
Placement: Assistant Professor at University of Minnesota

Duygu Akkaya, Stanford GSB (co-advised with Hau Lee)
Placement: Facebook Data Science

TEACHING EXPERIENCE

Graduate School of Business, Stanford University
Instructor

OIT 668: Networks and Markets (PhD class offered jointly between Stanford and U Chicago)

OIT 245: Optimization and Simulation Modeling - Base (core MBA class)

OIT 247: Optimization and Simulation Modeling - Accelerated (core MBA class)

OIT 248: Optimization and Simulation Modeling - Adavnced (core MBA class taught in Python)

OIT 668: Dynamic Pricing and Revenue Management (PhD class)

Massachusetts Institute of Technology
Teaching Assistant

6.207/14.15: Networks

6.252: Nonlinear Programming

GRANTS, HONORS, AWARDS

Winner of the LinkedIn Economic Graph Challenge

IBM Service Science Best Student Paper Award (first place) for student, Wenchang Zhang

POMS Supply Chain College Best Student Paper Competition (finalist) for student, Wenchang Zhang

Management Science Distinguished Service Award (2014, 2016, 2017, 2018)

Management Science Meritorious Service Award (2013, 2015)

Operations Research Meritorious Service Award

Stanford Cyber Initiative Grant: "Privacy and Information Sharing in Networked Markets" (with Y Gur)
Total amount US$50,000 for 2016-2017

NSF Grant: "Selling to Networked Markets" (with I Lobel)
Total amount US$100,000 for 2012-2013

INFORMS Health Applications William Pierskalla best paper award (finalist) for
"Dynamic Learning of Patient Response Rates: An Application to Treating Chronic Diseases"

MIT Presidential Scholarship

UCSD Graduate Fellowship and Award for Academic Excellence

IKY, Greece Award for Academic Excellence (2000, 2003).

Greek National Mathematical Competition (silver medal)

INVITED TALKS

2021-23 Dartmouth University

University of Cambridge, UK

Amazon

Temple University

University of Washington

Rice University

Utah Winter Operations Conference

2020 UT Dallas

INSEAD

HEC, Paris

2019 Amazon

EPFL

Cornell Johnson OTIM symposium

University of British Columbia

2018 Operations Research and Industrial Engineering, UT Austin

Dept of Industrial and Systems Eng, University of Minnesota

Bocconi School of Management

Wharton San Francisco/Marketing Science Institute
Workshop on New Perspectives on Marketing Analytics

Utah Eccles School of Business

UPenn Warren Center for Network and Data Sciences
Workshop on Trade and Diffusion of Shocks in Networks

2017 Duke Fuqua School of Business

Microsoft Research, New England

UCLA Anderson School of Management

Wharton

Michigan Ross School of Business

Lyft Data Science

Imperial College

Université Paris 1 Panthéon-Sorbonne

University of Toronto

Workshop on Stochastic Methods in Game Theory, Erice Italy

2016   Market Innovation Workshop, NYU

UC Berkeley Economics

2015   Facebook Core Data Science

Graduate Summer School: Games and Contracts for Cyber-Physical Security Institute for Pure & Applied Mathematics (IPAM) at UCLA

MIT Sloan School of Management

Graduate School of Business, Columbia University

Stern School of Business, NYU

Haas School of Business, UC Berkeley

McCombs School of Business, UT Austin

2014   Universitat Pompeu Fabra, Microeconomics Seminar Series

IESE Business School

Booth School of Business, University of Chicago

Tepper School of Business, Carnegie Mellon University

Stanford Graduate School of Business

Santa Clara University

Kaggle Research Seminar, San Francisco

London Business School

INSEAD

UCSD Rady School of Management

2013   Society for the Advancement of Economic Theory (SAET) Conference, Paris

2012   Technicolor Research Seminar, Palo Alto

RAIN Seminar, Stanford University

2011   London Business School

The Fuqua School of Business, Duke University

Microsoft Research, Cambridge, UK

2010   Columbia Business School

Stanford Graduate School of Business

Stephen M. Ross School of Business, University of Michigan

Marshall School of Business, University of Southern California

Booth School of Business, University of Chicago

Harvard Business School

Department of Electrical and Systems Engineering, University of Pennsylvania
Microsoft Research, New England