

# KOSTAS BIMPIKIS

Graduate School of Business  
Stanford University  
Stanford, CA 94305

Voice: (650) 723-9107  
kostasb@stanford.edu  
<http://www.stanford.edu/~kostasb/>

## ACADEMIC APPOINTMENTS

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

## PROFESSIONAL EMPLOYMENT

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<b>Microsoft Research New England</b>	Cambridge, MA
Post-doctoral Research Fellow	2010-2011
<b>Hewlett Packard Labs</b>	Palo Alto, CA
Summer Intern	Summer 2008

## EDUCATION

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<b>Massachusetts Institute of Technology</b>	Cambridge, MA
Operations Research Center	August 2010
Ph.D. in Operations Research	
Advisors: Prof. Daron Acemoglu and Prof. Asu Ozdaglar	
<b>University of California, San Diego</b>	La Jolla, CA
Department of Computer Science and Engineering	August 2005
M.S. in Computer Science	
<b>National Technical University of Athens, Greece</b>	Athens, Greece
Department of Electrical and Computer Engineering	June 2003
B.S. in Electrical Engineering	

## PROFESSIONAL SERVICE

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### Stanford GSB

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

**Organizer:** OIT Seminar Series (2012-2017)

### Academic Community

**Associate Editor:** Management Science

**Associate Editor:** Operations Research

**Associate Editor (Guest):** MS&OM (*Special Issue on the Sharing Economy*)

**Co-organizer:** 2019 INFORMS RM&P Conference

**Program Committees:** EC (2016, 2018, 2019), NetEcon (2011, 2013, 2015), WIDS 2012, 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

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- (1) **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)  
*Forthcoming in Management Science*
- (2) **Government Interventions to Promote Agricultural Innovation**  
(with Duygu Akkaya and Hau Lee)  
*Forthcoming in MS&OM*
- (3) **Supply Disruptions and Optimal Network Structures**  
(with Ozan Candogan and Shayan Ehsani)  
*Management Science*, 65(12), December 2019
- (4) **Spatial Pricing in Ride-Sharing Networks**  
(with Ozan Candogan and Daniela Saban)  
*Operations Research*, 67(3), May-June 2019
- (5) **Cournot Competition in Networked Markets**  
(with Shayan Ehsani and Rahmi Ilkilic)  
*Management Science*, 65(6), June 2019
- (6) **Information Sale and Competition**  
(with Davide Crippis and Alireza Tahbaz-Salehi)  
*Management Science*, 65(6), June 2019
- (7) **Learning and Hierarchies in Service Systems**  
(with Mihalis G. Markakis)  
*Management Science*, 65(3), March 2019
- (8) **Designing Dynamic Contests**  
(with Shayan Ehsani and Mohamed Mostagir)  
*Operations Research*, 67(2), March-April 2019
- (9) **Multi-Sourcing and Miscoordination in Supply Chain Networks**  
(with Doug Fearing and Alireza Tahbaz-Salehi)  
*Operations Research*, 66(4), July-August 2018

- (10) **Crowdsourcing Exploration**  
(with Yiangos Papanastasiou and Nicos Savva)  
**Management Science**, 64(4), April 2018
- (11) **Randomized Markdowns and Online Monitoring**  
(with Ken Moon and Haim Mendelson)  
**Management Science**, 64(3), March 2018
- (12) **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.*
- (13) **Competitive Targeted Advertising over Networks**  
(with Asu Ozdaglar and Ercan Yildiz)  
**Operations Research**, 64(3), May-June 2016
- (14) **Inventory Pooling with Heavy-Tailed Demand**  
(with Mihalis G. Markakis)  
**Management Science**, 62(6), June 2016
- (15) **Dynamics of Information Exchange in Endogenous Social Networks**  
(with Daron Acemoglu and Asu Ozdaglar)  
**Theoretical Economics**, 9(1), January 2014
- (16) **Optimal Pricing in Networks with Externalities**  
(with Ozan Candogan and Asu Ozdaglar)  
**Operations Research**, 60(4), July-August 2012
- (17) **Experimentation, Patents, and Innovation**  
(with Daron Acemoglu and Asu Ozdaglar)  
**American Economic Journal: Microeconomics**, 3(1), February 2011
- (18) **Price and Capacity Competition**  
(with Daron Acemoglu and Asu Ozdaglar)  
**Games and Economic Behavior**, 66(1), May 2009

#### WORKING PAPERS

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- (19) **Information Disclosure in Service Platforms: Optimizing for Supply**  
(with Yiangos Papanastasiou and Wenchang Zhang)
- (20) **Data-sharing and privacy incentives in networks**  
(with Ilan Morgenstern and Daniela Saban)

#### OTHER PUBLICATIONS

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- (21) **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)

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- (C1) Spatial Pricing in Ride-Sharing Networks**  
(with Ozan Candogan and Daniela Saban)  
*Workshop on the Economics of Networks, Systems and Computation (NetEcon), 2017*
- (C2) Designing Dynamic Contests**  
(with Shayan Ehsani and Mohamed Mostagir)  
*ACM Economics and Computation (EC), 2015*
- (C3) Cournot Competition in Networked Markets**  
(with Shayan Ehsani and Rahmi Ilkilic)  
*ACM Economics and Computation (EC), 2014*
- (C4) Optimal Pricing in Networks with Local Network Effects**  
(with Ozan Candogan and Asu Ozdaglar)  
*Workshop in Network Economics (WINE), 2010*
- (C5) Forming Information Networks**  
(with Daron Acemoglu and Asu Ozdaglar)  
*Allerton, 2010*
- (C6) Communication and Learning in Social Networks: Partial Results**  
(with Daron Acemoglu and Asu Ozdaglar)  
*Allerton, 2009*
- (C7) Competition with Atomic Users**  
(with Asu Ozdaglar)  
*Asilomar, 2007*
- (C8) Partial Results on Capacity Competition**  
(with Daron Acemoglu and Asu Ozdaglar)  
*Allerton, 2006*

## PHD STUDENTS

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### 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

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### **Graduate School of Business, Stanford University**

*Instructor*

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

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

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

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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

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**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