Stefano NASINI

Ph.D. in Statistics and Operations Research

Assistant Professor, Quantitative Methods

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EDUCATION

2015   Ph.D. in Statistics and Operations Research, Polytechnic University of Catalonia, Spain

2011   Master, Science, Statistics, Polytechnic University of Catalonia, Spain

RESEARCH INTERESTS

Complex Networks, Microeconomics, Optimization, Statistical Inference

EMPLOYMENT EXPERIENCE

ACADEMIC:

2014 - 2016   Post-doctoral Researcher, IESE Business School, Barcelona, Spain

2014 - 2014   Visiting Researcher, University of Lisbon, Lisbon, Portugal

COURSES TAUGHT

- Business analytics in a sustainable world, Msc in big data analytics for business

- Improving marketing analysis and performance, Grande ecole

- Marketing tools and quantitative analysis, Grande ecole

- Optimization techniques, Msc in big data analytics for business

- Social network analysis, Msc in big data analytics for business

INTELLECTUAL CONTRIBUTIONS

Papers in refereed journals

Published

Castro J., Nasini S., Saldanha-Da-Gama F., (2017), A cutting-plane approach for large-scale capacitated multi-period facility location using a specialized interior-point method, *Mathematical Programming*, 163(1), pp. 411-444

Nasini S., Castro J., (2017), On Geometrical Properties of Preconditioners in IPMs for Classes of Block-Angular Problems, *SIAM Journal on Optimization*, 27(3), pp. 1666-1693

Nasini S., Dehdarirad T., (2017), Research impact in co-authorship networks: a two-mode analysis, *Journal of Informetrics*, 11(2), pp. 371–388

Nasini S., Martinez-de-Albeniz V., Dehdarirad T., (2017), Conditionally exponential random models for individual properties and network structures: Method and application, *Social Networks*, 48(1), pp. 202–212

Nasini S., Castro J., (2015), Mathematical programming approaches for classes of random network problems, *European Journal of Operational Research*, 245(2), pp. 402–414

Nasini S., Castro J., Fonseca P., (2015), A mathematical programming approach for different scenarios of bilateral bartering, *SORT-Statistics and Operations Research Transactions*, 39(1), pp. 85-108

Dominguez P., Teberosky A., Nasini S., (2014), Language play and learning of written language, *Journal for the Study of Education and Development*, 36(4), pp. 501-515

Forthcoming

Nasini S., Benita F., Lopez F., (2018), A Bi-level Programming Approach for Global Investment Strategies with Financial Intermediation, *European Journal of Operational Research*

Communications in refereed conferences

International

Nasini S., Benita F., Lopez F., (2018), *A Bi-level Programming Approach for Global Investment Strategies with Financial Intermediation* Mathematical and Statistical Methods for Actuarial Sciences and Finance, Madrid, Spain

Nasini S., Benita F., Lopez F., (2018), *Decentralized Investment through Bi-level Optimization* International Workshop on Bilevel Programming, Lille, France

Nasini S., Lopez F., Guarnaschelli A., (2018), *Designing a road network with toll setting and hazmat transportation* International Workshop on Bilevel Programming, Lille, France

Nasini S., (2017), *On the estimation of pairwise influences in dynamic choices* The 3rd Annual International Conference on Computational Social Science, Cologne, Germany

Nasini S., (2016), *Financial Fluctuation Through Dynamic Networks* INFORMS annual meeting 2016, Nashville, USA

Nasini S., Dehdarirad T., (2016), *COLLNET Global Interdisciplinary Research Network Under the Title "Collaboration in Science and in Technology"* COLLNET, Nancy, France

Nasini S., Martinez-de-Albeniz V., Planas A., (2016), *Using Early Click Information in Online Flash Sales Campaigns* INFORMS annual meeting 2016, Nashville, USA

Castro J., Nasini S., Saldanha da Gama F., (2015), *A Specialized Interior- Point Method for Large-Scale Capacitated Multiperiod Facility Location* ISMP The International Symposium on Optimization, Pittsburgh, USA

Nasini S., Martinez-de-Albeniz V., (2015), *Econometric models of pairwise externalities and social attractiveness for the music industry* INFORMS Annual Meeting, Philadelphia, USA

Nasini S., Martinez-de-Albeniz V., (2015), *Novel Conditionally Exponential Random Models for Nodal Properties and Network Structures: A Bayesian Approach* ENBIS-15 Annual meeting, Prague, Czech Republic

Nasini S., Castro J., (2014), *Preconditioning IPMs for block-angular problems with "almost linearly dependent" constraints* International Conference on Applied Mathematical Optimization and Modeling, Coventry, United Kingdom

Nasini S., Castro J., (2014), *Specialized interior point methods for classes of random network problems* 20th Conference of the International Federation of Operational Research Societies, Barcelona, Spain

Nasini S., Castro J., (2013), *Generating conditional uniform random networks by optimization procedures* International Network Optimization Conference, Tenerife, Spain

Nasini S., Castro J., (2013), *Generating random networks by linear programming approaches* EURO-INFORMS 2013 Joint International Meeting, Rome, Italy

Other conference and seminar presentations

International

Nasini S., (2017), *Using Clickstream Data to Improve Flash Sales Effectiveness* IESE Business School, Barcelona, Spain

Research reports

Nasini S., Castro J., Fonseca P., (2014), *Bartering integer commodities with exogenous prices*, ArXiv repository of electronic preprints by the Cornell University, 30 pages

Nasini S., (2014), *Maximizing graph probability under conditionally exponential models*, ArXiv repository of electronic preprints by the Cornell University, 7 pages

Grants

2011   FPI grant from the Spanish Ministry of Education, Polytechnic University of Catalonia (Spain)

PROFESSIONAL MEMBERSHIPS

2011   Group of Numerical Optimization and Modeling, Spain

EDITORIAL ACTIVITY

Reviewer in an academic journal

2017   Resources, Conservation & Recycling

2016   Operations Research (INFORMS)

2015   European Journal of Operational Research

2014   Computers & Operations Research

Reviewer in an book / textbook

2017   Bilevel Programming: Theory and Applications

INSTITUTIONAL SERVICE

Co-Organizer of a workshop

2017   Workshop in Networks and Complex Systems, Lille Metropole et L'Universite Catholique de Lille, France

2017   Workshop in Operations Management, IESE Business School, Spain

Member of a recruitment jury (orals)

2016   Member of a recruitment jury, IÉSEG School of Management, France