

# Teng HUANG

Ph.D. Candidate

Operations and Information Management Department

School of Business, University of Connecticut

(Updated on May 20, 2020)

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INFORMATION Storrs, CT, 06268 [teng.huang@uconn.edu](mailto:teng.huang@uconn.edu)

EDUCATION **University of Connecticut** (UConn), Storrs, CT

Ph.D. Candidate, major area: Analytics and Optimization, *Expected completion date*: Summer 2020 (thesis proposal defended on April 30, 2019)

- Dissertation Title: *Discrete Optimization with Objective Functions Learned Through Predictive Modeling*
- Dissertation Committee: [David Bergman](#) (chair), [James Marsden](#), [John Mathieu](#), [Manuel Nunez](#), and [Arvind U. Raghunathan](#)

**Sun Yat-sen University** (SYSU), Guangzhou, China

Master, Information Science, July 2013

**Sun Yat-sen University** (SYSU), Guangzhou, China

Bachelor, Information Management and Information Systems, July 2011

- Double Major in Archaeology

REFEREED  
JOURNAL  
PUBLICATIONS

1. [Huang, T.](#), [Bergman, D.](#), & [Gopal, R.](#) (2019). Predictive and Prescriptive Analytics for Location Selection of Add-on Retail Products. *Production and Operations Management*, 28: 1858-1877. DOI:10.1111/poms.13018 [[link](#)]

ARTICLES UNDER  
REVIEW

1. [Serra, T.](#), [Huang, T.](#), [Raghunathan, A. U.](#), and [Bergman, D.](#) (2019). Template-based Minor Embedding in Chimera Graphs for Adiabatic Quantum Optimization. *under review at INFORMS Journal on Computing, minor revision* [[link](#)]
2. [Bergman, D.](#), [Huang, T.](#), and [Mathieu, J.](#) (2019). Data-Driven Optimization for Team Formation. *under review at INFORMS Journal on Optimization, major revision*
3. [Bergman, D.](#), [Huang, T.](#), [Brooks, P.](#), [Lodi, A.](#), and [Raghunathan, A. U.](#) (2019). JANOS: Integrated Predictive and Prescriptive Modeling Framework. *under review at INFORMS Journal on Computing, minor revision* [[link](#)]

- TEACHING **Instructor** – Department of Operations and Information Management, University of Connecticut
- OPIM 3103 – Business Information Systems Spring 2020
  - OPIM 3103 – Business Information Systems Summer 2019
  - Overall rating of teaching (median): 5.0/5.0
- Teaching Assistant** – Department of Operations and Information Management, University of Connecticut
- OPIM 3104 – Operations Management (Prof. Miao Bai) Fall 2019
  - OPIM 3104 – Operations Management (Prof. Moustapha Diaby) Fall 2018
  - OPIM 3103 – Business Information Systems (Prof. Alex Tung, Prof. Xue Bai, Prof. Shu He) Fall 2015 – Spring 2018
- PROFICIENCIES **Programming Languages:** Python, C++, C#, Java  
**Optimization:** Gurobi, or-tools  
**Statistical Programming:** R, STATA, MATLAB  
**Web Programming:** HTML5, CSS, Javascript, jQuery  
**Database:** MySQL, Microsoft SQL Server, Oracle  
**Shell Scripting**
- INVITED TALKS **Optimization with Objective Functions Learned Through Machine Learning**
- **Department of Management, Lingnan (University) College, Sun Yat-sen University** Online, 9:00 - 10:30am, April 30, 2020
  - **Department of Management Sciences, Faculty of Engineering, University of Waterloo** CPH 4335, 2:30 - 3:30pm, February 26, 2020
- CONFERENCE PRESENTATIONS **POMS Doctoral Consortium** (canceled) Minneapolis, MN. April 25, 2020
- Template-based Minor Embedding in Chimera Graphs for Adiabatic Quantum Optimization**
- Mixed Integer Programming Workshop 2020. Rutgers University (withdraw from the online workshop). May 18 - 21, 2020 (accepted for a poster presentation) [withdraw from the online meeting]
  - INFORMS Optimization Society Conference 2020 (canceled). Greenville, SC. March 15 - 17, 2020 (presented by co-author, Dr. Thiago Serra)
- Discrete Optimization with Objective Functions Learned Through Predictive Modeling**
- The 29th Workshop on Information Technologies and Systems (WITS 2019). Munich, Germany. December 18-20, 2019. (Dissertation Proposal)
- JANOS: Integrated Predictive and Prescriptive Modeling Framework**
- POMS Annual Conference 2020 (canceled). Minneapolis, MN, U.S.A. April 23 - 27, 2020
  - INFORMS Optimization Society Conference 2020 (canceled). Greenville, SC. March 15 - 17, 2020 (presented by co-author, Dr. David Bergman)
  - Winter Conference on Business Analytics (WCBA) 2020 (canceled). Snowbird, UT. March 12 - 14, 2020 (accepted for a poster presentation)

[canceled]

- **NYC Operations Day 2020** (accepted for a poster presentation) [canceled]
- The 29th Workshop on Information Technologies and Systems (WITS 2019). Munich, Germany. December 18-20, 2019. (Demo/Prototype)
- INFORMS Annual Meeting 2019. Seattle, WA. October 20-23, 2019

#### **Data-Driven Optimization for Team Formation**

- INFORMS Optimization Society Conference 2020 (canceled). Greenville, SC. March 15 - 17, 2020 (presented by co-author, Dr. David Bergman)
- Winter Conference on Business Analytics (WCBA) 2020. Snowbird, UT. March 12 - 14, 2020 (accepted for a poster presentation) [canceled]
- INFORMS Annual Meeting 2019. Seattle, WA. October 20-23, 2019
- The 3rd INFORMS Workshop on Data Science (DS 2019). Seattle, WA. October 19, 2019 (accepted for a poster presentation)
- INFORMS Computing Society Conference (ICS) 2019. Knoxville, Tennessee. January 2019 (presented under title “*Predicting and Optimizing Team Formation*”)

#### **POMS Doctoral Consortium**

Washington D.C. May 4, 2019

#### **Predictive and Prescriptive Analytics for Location Selection of Add-on Retail Products**

- INFORMS Annual Meeting 2019. Seattle, WA. October 20-23, 2019
- The 14th INFORMS Workshop on Data Mining and Decision Analytics (DMDA 2019). Seattle, WA. October 19, 2019
- POMS Annual Meeting 2019. Washington D.C. May 2019
- Winter Conference on Business Analytics (WCBA) 2019. Snowbird, UT. March 2019 (accepted in a regular session)
- INFORMS Annual Meeting 2018. Phoenix, AZ. November 2018

#### **AWARDS AND SCHOLARSHIPS**

##### **Student Awards — University of Connecticut**

- Teaching Assistant Award (Department of Operations and Information Management) Spring 2020
- The Graduate Student Intern of the Year 2019 (third place) Spring 2020
- Doctoral Dissertation Fellowship (The Graduate School) Spring 2020
- Peter Shanley Endowment (School of Business) Fall 2018 – Spring 2019

##### **Student Awards — Sun Yat-sen University**

- Scholarship for Graduate students Fall 2012 – Spring 2013
- Scholarship of 3M for students in Library Science December 2012
- The 3rd prize, Distinguished Student Scholarship Fall 2008 – Spring 2009
- The 3rd prize, Distinguished Student Scholarship Fall 2007 – Spring 2008

##### **National Olympiad in Informatics (NOI), China**

- The 3rd prize (national) & the 2nd prize (regional) 2005 & 2006

#### **PROFESSIONAL SERVICE**

##### **Reviewer**

*Journals/Conferences Reviewed for (#articles reviewed)*

- Expert Systems With Applications 2020 (1)
- **2020 International Conference on Information Systems (ICIS 2020)** (2)

- The 24th Pacific Asia Conference on Information Systems (PACIS 2020) (2)
- International Journal of Forecasting 2020 (1)
- The 14th Learning and Intelligent Optimization Conference (LION14) (1)
- The 15th Winter Conference on Business Analytics (WCBA 2020) (1)
- Decision Support Systems (DSS) 2019 (8) 2020 (2)
- Journal of Optimization Theory and Applications (JOTA) 2019 (1)
- The 29th Workshop on Information Technologies and Systems (WITS 2019) (1)
- 2019 Conference on Information Systems and Technology (CIST 2019) (1)
- 2019 International Conference on Information Systems (ICIS 2019) (3)
- The 2019 INFORMS Workshop on Data Science (DS2019) (1)
- The 16th International Conference on the Integration of Constraint Programming, Artificial Intelligence, and Operations Research (CPAIOR 2019) (1)
- The 15th International Conference on the Integration of Constraint Programming, Artificial Intelligence, and Operations Research (CPAIOR 2018) (1)
- The 31st AAAI Conference on Artificial Intelligence (AAAI-17) (1)

**Website Chair**

- The 25th International Conference on Principles and Practice of Constraint Programming (CP 2019) (Co-chair: Mohsen Emadikhav)

**Session Chair**

- POMS 30th Annual Meeting (POMS 2019) (Co-chair: David Bergman)

**WORK  
EXPERIENCE**

**Mitsubishi Electric Research Laboratories** (MERL), Cambridge, MA

Intern January 2019 - April 2019

**IT Department, Giordano International Limited**, Guangzhou, China

Data Analyst & Programmer May 2013 - November 2014

**Yunnex.com**, Guangzhou, China

Assistant of Media Manager September 2014 - November 2014

**Valleytalk.org**, CA, USA

Blogger June 2014 - August 2014

**Siemens Transformer (Guangzhou) Co., Ltd.** (STGZ), Guangzhou, China

Intern November 2012 - January 2013

**RESEARCH  
GRANTS**

**The National Social Science Fund of China**

Impact Factors of Users Emotion Experiences in Social Commerce  
(Researcher) 2018 – 2021

**MENTORSHIP**

**Master Student**

- Qingping Chen, Library & Information Science, Sun Yat-sen University, expected 2020

**SOCIAL SERVICE Crew Member**

Route Marking: Advanced (Team B);

2019 Out of the Darkness – Overnight Walk by the American Foundation  
of Suicide Prevention, Boston, MA, United States June 22, 2019

**Volunteer**

2020 Out of the Darkness – Overnight Walk by the American Foundation of  
Suicide Prevention, New York City, United States [[donate](#)] June 20, 2020

UConn New Graduate Students Orientation – Tour Guide August 20, 2019

[INFORMS Pro Bono Analytics \(PBA\)](#) May 2019 – present

UConn New International Graduate Students Orientation – Tour Guide  
August 2016

UConn Clean Sweep sponsored by Residential Life (Shift assignment at  
Northwood Apartments) November 15, 2015

Tutor elementary and middle school students whose parents are migrants in  
Guangzhou, China April 2013 – January 2014

Take and print family photos of residents in a rural village in Yunnan, China  
January 2014

Reference Services in Guangzhou City Library, Guangzhou, China January  
2013 – February 2013

**Assistant**

Administration Office of School of Information Management, Sun Yat-sen  
University, Guangzhou, China February 2011 & February 2012