

Yi-Chun Chen

Present Address

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Education

University of California, Los Angeles (UCLA), California.

PhD in Management (Decisions, Operations and Technology Management)

9/2017 - present.

Stanford University, California.

MS in Computational and Mathematical Engineering

9/2014 - 4/2017.

National Taiwan University, Taiwan.

BS in Physics

9/2009 - 6/2013, with Presidential Awards (2012,2013).

Publication

Submitted articles

1. “Column-Randomized Linear Programs: Performance Guarantees and Applications” (2020), **Yi-Chun Chen**, Velibor Mišić, submitted.
2. “Decision Forest: A Nonparametric Approach to Modeling Irrational Choice” (2019), **Yi-Chun Chen**, Velibor Mišić, under major revision at *Management Science*.
 - Finalist, 2020 INFORMS George Nicholson Student Paper Competition (winners will be announced in 2020 Annual Meeting).
 - Winner, 2019 INFORMS Decision Analysis Student Paper Competition.
 - 2nd Place, 2019 INFORMS Revenue Management and Pricing Student Paper Competition.
 - Finalist, 2019 INFORMS Service Science Best Paper Competition.
 - Spotlighted Presentation, 2019 INFORMS Revenue Management and Pricing Conference, Stanford, CA.

Refereed Journal Articles

3. “Learning Discrete Bayesian Networks from Continuous Data” (2017), **Yi-Chun Chen**, Tim A. Wheeler, Mykel J. Kochenderfer, *Journal of Artificial Intelligence Research*, 59, 103-132.
4. “Deep Reinforcement Learning for Event-Driven Multi-Agent Decision Processes” (2017), Kunal Menda, **Yi-Chun Chen**, Justin Grana, James W. Bono, Brendan D. Tracey, Mykel J. Kochenderfer, David Wolpert *IEEE Transactions on Intelligent Transportation Systems*, 20(4), 1259-1268.

Refereed Conference Proceedings

5. “Improving Offline Value-Function Approximations for POMDPs by Reducing Discount Factors” (2018), **Yi-Chun Chen**, Mykel J Kochenderfer, Matthijs TJ Spaan, *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*.

Research Experience

Decisions, Operations, and Technology Management, UCLA Anderson School of Management.

- *Advisor:* Professor Velibor Mišić.
- *Research Topics:* Choice and Assortment Modeling, Large-scale Optimization.

Stanford Intelligent System Laboratory,

Department of Aeronautics and Astronautics, Stanford University.

- *Advisor:* Professor Mykel Kochenderfer.
- *Research Topics:* Probabilistic Graphical Models, Reinforcement Learning.

Quantum Condensed Matter Theory Laboratory,

Institute of Atomic and Molecular Sciences (IAMS), Academia Sinica, Taiwan.

- *Advisor:* Professor Mei-Yin Chou.
- *Research Topics:* Computational Physics, Condensed Matter Physics.
- *Award:* Dr. Chao-Ting Chang Memorial Research Scholarship.

Teaching

Teaching Assistantships

1. MSA434: Advanced Workshop on Machine Learning
 - Program: Master of Business Analytics, UCLA, Fall 2020.
 - Instructor: Professor Danylo Vashchilenko.
2. MSA435: Data Visualization
 - Program: Master of Business Analytics, UCLA, Fall 2020.
 - Instructor: Professor Kristian di Gaetano.
3. MSA408: Operations Analytics.
 - Program: Master of Business Analytics, UCLA, Spring 2020.
 - Instructor: Professor Velibor Mišić.
4. MGMT410: Logistics and Operations Management.
 - Program: Executive MBA program, NUS-UCLA, Fall 2019.
 - Instructor: Professor Christopher Tang.
5. MGMT402: Data and Decisions.
 - Program: Fully-Employed MBA, UCLA, Fall 2018; Fall 2020.
 - Instructors: Professor Velibor Mišić and Professor Rakesh Sarin.

Presentation

1. “Column-Randomized Linear Programs: Performance Guarantees and Applications”.
 - INFORMS Annual Conference, Online, 11/2020 (scheduled).
2. “Decision Forest: A Nonparametric Approach to Modeling Irrational Choice”.
 - INFORMS Annual Conference, Online, 11/2020 (scheduled); INFORMS Annual Conference, Seattle, WA, 10/2019; INFORMS Revenue Management and Pricing Conference, Stanford, CA, 06/2019 ; SoCal OR/OM Day, Irvine, CA, 05/2019 ; POMS Annual Conference, Washington D.C., 5/2019; INFORMS Annual Conference, Phoenix, AZ, 11/2018.

Extracurricular Experience	1. Director, Taiwanese Student Association, Stanford University.	5/2015 - 4/2016
	2. Vice President, Student Association, Dept. of Physics, NTU.	7/2012 - 7/2013
	3. Captain, Basketball Team, Dept. of Physics, NTU.	7/2012 - 7/2013
Programming Languages	Julia, Python, Matlab, R.	
Languages	Mandarin (native), English (fluent), Turkish (beginner).	