

Yi-Chun Chen

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Education

PhD in Management (Decisions, Operations and Technology Management), University of California, Los Angeles (UCLA), Los Angeles, California.
9/2017 - present.

MS in Computational and Mathematical Engineering, Stanford University, Stanford, California.
9/2014 - 4/2017.

BS in Physics, National Taiwan University, Taiwan.
9/2009 - 6/2013, with Presidential Awards (2012,2013).

Publication

Submitted articles

1. “Decision Forest: A Nonparametric Approach to Modeling Irrational Choice” (2019), **Yi-Chun Chen**, Velibor Mišić, submitted.
 - Spotlighted Presentation, 2019 INFORMS Revenue Management and Pricing Conference, Stanford, CA.
 - 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.

Refereed Journal Articles

1. “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.

Other Publications

2. “Deep Reinforcement Learning for Event-Driven Multi-Agent Decision Processes” (2019), 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.
1. “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 Modeling, Assortment 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	<i>Teaching Assistantships</i>	
	2. MGMT410: Operations and Technology Management (NUS-UCLA Global Executive MBA Program), Fall 2019 <ul style="list-style-type: none"> • Instructors: Professor Christopher Tang • TA review session, grading homework and exams. 	
	1. MGMT402: Data and Decisions (UCLA Anderson FEMBA Core Course), Fall 2018 (2 sections) <ul style="list-style-type: none"> • Instructors: Professor Velibor Mišić and Professor Rakesh Sarin. • Assisted in office hour, TA review session, grading homework and exams. 	
Programming Languages	Julia, Python, Matlab, R.	
Extracurricular Experience	3. Director, Taiwanese Student Association, Stanford University.	5/2014 - 4/2016
	2. Vice President, Student Association, Dept. of Physics, NTU.	7/2012 - 7/2013
	1. Captain, Basketball Team, Dept. of Physics, NTU.	7/2012 - 7/2013