

Yi-Chun Chen

yi-chun.chen@anderson.ucla.edu | <http://yi-chun-chen.github.io>

EMPLOYMENT

University College London (UCL) School of Management Assistant Professor (tenure track) of Operations and Technology	Starting in Aug. 2023
University of California, Los Angeles (UCLA) Postdoctoral Fellow at the Anderson School of Management (mentor: Felipe Caro)	July 2022 - June 2023

EDUCATION

UCLA Anderson School of Management Ph.D. in Management (Decisions, Operations and Technology Management) Thesis Committee: Velibor Mišić (advisor), Felipe Caro, Charles Corbett, Kumar Rajaram, Christopher Tang Thesis Title: <i>Prescribing for the Irrational: A Data-Driven Approach to Modeling Irrational Choice</i>	Sep. 2017 – June 2022
Stanford University M.S. in Computational and Mathematical Engineering	Sep. 2014 – May 2017
National Taiwan University B.S. in Physics (Presidential Awards)	Sep. 2009 – June 2013

RESEARCH

Research Interests

Choice modeling, revenue management, large-scale optimization, data-driven analytics, machine learning.

Publications

- **Assortment Optimization Under The Decision Forest Model** (2021),
[Yi-Chun Chen](#), Velibor Mišić
Under review.
- **Column-Randomized Linear Programs: Performance Guarantees and Applications** (2020),
[Yi-Chun Chen](#), Velibor Mišić
Major revision in *Operations Research*.
- **Decision Forest: A Nonparametric Approach to Modeling Irrational Choice** (2021),
[Yi-Chun Chen](#), Velibor Mišić,
Forthcoming in *Management Science*.
 - Honorable Mention, 2020 INFORMS George E. Nicholson Student Paper Prize.
 - Winner, 2019 INFORMS Decision Analysis Society Student Paper Competition.
 - 2nd Place, 2019 INFORMS Revenue Management and Pricing Section Student Paper Competition.
 - Finalist, 2019 INFORMS Service Science Section Best Paper Competition.
 - **Spotlight Presentation**, 2019 INFORMS Revenue Management and Pricing Conference, Stanford, CA.
- **Improving Offline Value-Function Approximations for POMDPs by Reducing Discount Factors** (2018),
[Yi-Chun Chen](#), Mykel Kochenderfer, Matthijs Spaan,
IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS).
- **Learning Discrete Bayesian Networks from Continuous Data** (2017),
[Yi-Chun Chen](#), Tim Wheeler, Mykel Kochenderfer,
Journal of Artificial Intelligence Research, 59, 103-132.
- **Deep Reinforcement Learning for Event-Driven Multi-Agent Decision Processes** (2017),
Kunal Menda, [Yi-Chun Chen](#), Justin Grana, James Bono, Brendan Tracey, Mykel Kochenderfer, David Wolpert,
IEEE Transactions on Intelligent Transportation Systems, 20(4), 1259-1268.

TEACHING

UCLA Anderson School of Management

Teaching Assistantship

- MGMT402: **Data and Decisions** Fall 2018, Fall 2020
- MGMT410: **Logistics and Operations Management** Fall 2019
- MGMT240F: **Global Supply Chain Management** Spring 2022
- MSA408: **Operations Analytics** Spring 2020
- MSA434: **Advanced Workshop on Machine Learning** Fall 2020
- MSA435: **Data Visualization** Fall 2020
- MSA407,413: **Data Analytics Industry Seminar** Winter 2022, Spring 2022
- MGMTPHD 242: **Foundations of Stochastic Modeling** Spring 2021

AWARDS AND HONORS

- Dreze Dissertation Award**, UCLA Anderson School of Management. 2022
- Dissertation Year Fellowship**, UCLA. 2021
- Honorable Mention, INFORMS **George E. Nicholson Student Paper Prize**. 2020
- Winner, INFORMS **Decision Analysis Student Paper Competition**. 2019
- Second Place, INFORMS **Revenue Management and Pricing Student Paper Competition**. 2019
- Finalist, INFORMS **Service Science Best Paper Competition**. 2019
- Spotlight Presentation**, INFORMS Revenue Management and Pricing Conference. 2019
- Four-year Ph.D. Fellowship**, UCLA Anderson School of Management. 2017
- Presidential Awards**, National Taiwan University. 2012, 2013

PRESENTATIONS

“Assortment Optimization Under the Decision Forest Model”

- INFORMS Revenue Management and Pricing Conference, Online, June 2021.
- MSOM Annual Conference, Online, June 2021.

“Column-Randomized Linear Programs: Performance Guarantees and Applications”

- INFORMS Optimization Conference, Greenville, SC, March 2022.
- INFORMS Annual Conference, Online, Nov. 2020.

“Decision Forest: A Nonparametric Approach to Modeling Irrational Choice”

- INFORMS Annual Conference, Anaheim, CA, Nov. 2021.
- INFORMS Annual Conference, Online, Nov. 2020.
- INFORMS Annual Conference, Seattle, WA, Oct. 2019.
- INFORMS Revenue Management and Pricing Conference, Stanford, CA, June 2019.
- SoCal OR/OM Day, Irvine, CA, May 2019.
- POMS Annual Conference, Washington D.C., May 2019.
- INFORMS Annual Conference, Phoenix, AZ, Nov. 2018.

PROFESSIONAL ACTIVITIES

Ad-hoc journal referee for *Operations Research*, *Production and Operations Management*, *Computational Management Science*.