

Carrie Beam, Ph.D.

cbeam@ucdavis.edu LinkedIn: <https://www.linkedin.com/in/carrie-beam/>

SUMMARY: Industrial Engineering/Operations Research Ph.D. with deep experience in analytics management consulting, student project supervision, classroom teaching, research, and thought leadership. Excellent project management and communication skills, and proven ability to understand multiple stakeholder perspectives and drive analytics projects through to completion. Twenty years of experience with MSBA, MBA, MSE, and MSEM students in live and asynchronous online environments. Patent holder, published author.

EDUCATION:

Ph.D. Operations Research, University of California, Berkeley, 1999.

M.S. Operations Research, University of California, Berkeley, 1995.

B.S.E. Operations, Research/Civil Engineering, Princeton University, 1991.

CERTIFICATIONS: Certified Analytics Capability Evaluation (ACE) Coach, INFORMS, 2019.

PATENT: System and Method for Mathematics Ontology Extraction and Research, with Mark S. Crouse (Patent #8727780). Grant date: May 20, 2014.

PROFESSIONAL AFFILIATIONS: INFORMS (Senior Member), ProVisors

EXPERIENCE

Academic Director, MSBA Program, University of California at Davis, 2024 - present

- Provide overall strategic program leadership.
- Collaborate with faculty and staff to enhance the student experience and improve student outcomes.
- Champion, chief innovation officer, and caretaker of the MSBA program.

Director, MSBA Practicum Projects, University of California at Davis, 2022 – present

- Ensure high-quality practicum experience for MSBA students.
- Source practicum by developing corporate and other business relationships.
- Ensure successful practicum completion by mentoring students, teaching classes, and implementing project management, including agile methods.
- Teach practicum consulting skills class in partnership with the Co-Director.
- Advise as needed on curriculum development and strategic direction.

Teaching Professor, University of Arkansas at Fayetteville, 2012 – 2022

- Developed, implemented, and delivered asynchronous online graduate classes in the Department of Industrial Engineering, Master of Science in Operations Management program.
- Led the development of curriculum for over ten classes.
- Brought in partnerships with Gradescope, ExPrep, and Kinaxis Supply Chain Software

- Mentored new faculty hires, trained teaching assistants, and supervised graduate and undergraduate individual and team projects.
- Earned excellent teaching evaluations at high volume: in 2021, evaluations from 470 students in 8 classes were 4.26/5.00.

University of Maryland Global Campus, Adelphi, MD (remote employee)

- Adjunct Full Professor/DATA 625/DATA 635 Course Lead, MSDA program, 2014-present (part-time).
- With a team, co-developed DATA 625 (Data Visualization/Tableau) and DATA 635 (Data Warehousing/SQL) classes.
- Supervised two other faculty members and a team of teaching assistants.
- Earned excellent teaching evaluations: Spring 2022 evaluations for a 26-student class were 4.47/5.00, significantly above the program average of 4.27.
- Adjunct Associate Professor, MBA program, 2010 – 2014 (part-time).

PROFESSIONAL SERVICE

INFORMS

Franz Edelman Award for Achievement in Advanced Analytics, Operations Research, and Management Science.

- INFORMS Senior Member, 2024
- Chair, Franz Edelman Award for Achievement in Analytics, 2021-2022
- Coach, Verifier, Judge, Franz Edelman Award, 2012-2024
- For the Edelman Award, I recruited over 30 verifiers, coaches, and judges from academia and industry; assisted with sourcing over 20 initial submissions from industry, nonprofit, and governmental contestants; and chaired an international competition with six finalists and (of course) one winner. Since its inception, Edelman Award finalist projects have generated over \$300 billion in recognized benefits.

Additional INFORMS Committee Experience

- INFORMS Careers Committee Chair, 2025
- Meeting of Analytics Program Directors (MAPD) Committee member, 2024
- Committee on Practice Cluster Chair, Annual Meeting 2018-2019
- Certified Analytics Professional (CAP) Exam Contributor, 2012-2013

External Program Reviews

- External Program Review Committee for Business Analytics Undergraduate Major at the University of Kentucky, 2025.

INDUSTRY PRESENTATIONS

Modern Ideas For Business, [“Capturing Competitive Advantage With AI,”](#) September 2024.

Inclusion Allies Coalition, “Introduction to Analytics, Machine Learning, and Generative AI,” Panelist, July 24, 2024.

BADAM Bay Area Distributors and Manufacturers Group, ProVisors, "Descriptive, Predictive and Prescriptive Analytics: How to Become a UC Davis Industry Partner," April 4, 2024.

BADAM Bay Area Distributors and Manufacturers Group, ProVisors, "Introduction to Analytics for Distributors and Manufacturers," Sept. 6, 2023.

CANA Associates, "Tales from the MSBA Practicum Projects: Analytics Consulting Skills in the Wild," August 15, 2023.

The Percipio Company (DEI Management Consultants), "Is it really worth it to sit up front?" Invited webinar, July 2023.

ProVisors Bay Area Branding, Licensing, Intellectual Property & Strategic Services Affinity Group (BAYBLISS) "How to apply new tools/techniques to improve data usage in your own companies." June 2023, Given with Ken Scales and Jill Feldman.

Lawyers Associated Worldwide, "Hub: How to Leverage the Mathematics of Networking to Help LAW Members Build Their Businesses," October 2021.

Financial Executives International Silicon Valley, "Introduction to Analytics," August 2021.

EndSight IT Services, "Transforming Your Data into Competitive Advantage," May 2021.

Arkansas Department of Human Services, "Data Driven Decision Making," Executive Education through the University of Arkansas' Walton College of Business, August 2019.

Silicon Valley Capital Club, "Introduction to Analytics (for Lawyers, Poets, and Businesspeople)," May 2019.

OTHER SPEAKING ENGAGEMENTS

Gala MC: 2023 Franz Edelman Award, Aurora, CO, INFORMS

UNIVERSITY PRESENTATIONS

Beam, C. (2024). "Business Analytics for Strategic Success," Executive Education, a joint effort between UC Davis and the Zurich University of Applied Sciences (ZHAW; German: Zürcher Hochschule für Angewandte Wissenschaften). Winterthur, Switzerland, March 2024.

Beam, C. (2021.) "Better and Faster: How to Leverage Award-Winning Operations Management Techniques," University of Arkansas MSOM Webinar series.

Beam, C. (2020). Instructional Design Colloquium, "INEG 3313: Distance Education at scale, with excellence," University of Arkansas, Fayetteville, AR.

Beam, C. (2020). INFORMS, TIPS for Teaching at UArk, "Moving Online in a Weekend," San Francisco State University, San Francisco, CA.

- Beam, C. (2020). Teaching Online Conference, "Gradescope: Grading Handwritten Calculus Problems Online with Perfectly Consistent Rubrics," University of Arkansas, Fayetteville, AR.
- Beam, C., and Saigal, S. (2019). "Freestyle O.R. Supreme: West Coast Reprise." Invited talk/guest lecturer to the University of California at Davis Master of Science in Business Analytics class.
- Beam, C. (2019). "Moving Online: How Exactly to Repackage a Face-to-Face Class into an Awesome Online Experience." Invited talk to the University of South Carolina, February 2019.
- Beam, C. (2018). "Moving Online: How Exactly to Repackage a Face-to-Face Class into an Awesome Online Experience." Presented at INFORMS Fall Annual Conference, Phoenix, AZ, November 2018. Available on the INFORMS website.
- Beam, C. (2018). "Two Free, Easy Ways to Boost Retention of Women in STEM Programs." Presented at the University of Arkansas Faculty Meeting, Fayetteville, AR.
- Beam, C. (2015). "Performance Measures in the Online Classroom: Can We Write Modules Which Measurably Improve Student Learning?" presented at the University of Arkansas Faculty Meeting, Fayetteville, AR.
- Beam, C. (2013). "Everybody Doesn't Have a PhD! Soft Skills to Communicate Predictive Analytics to the Business Community," presented at INFORMS Conference on Business Analytics and Operations Research, San Antonio, TX.

PUBLICATIONS

- Beam, C., Pekgün, P. "Introduction: 2022 Franz Edelman Award for Achievement in Advanced Analytics, Operations Research, and Management Science." INFORMS Journal on Applied Analytics, Jan. 2023.
- Beam, C., Specking, E., Parnell, G.S., Pohl, E., Goerger, M.N, Buchanan, J. P., and Gallarno, G.E. "Best Practices for Stakeholder Engagement for Government R&D Organizations," Engineering Management Journal, February 2022.
- Beam, C. M. (2020). Editor's Cut: Multimedia platform shines during the pandemic. www.informs.org.
- Beam, Carrie (2019). "Edelman Award: A Coach's Perspective. A personal, behind-the-scenes look at the award process and prep, competition, and drama." ORMS Today, May 2019 issue: <https://pubsonline.informs.org/doi/10.1287/orms.2019.03.09/full>.
- Beam, Carrie (2008). "Reality check: the top five misconceptions about starting an IEOB consulting career." Analytics Magazine. Marietta, GA: INFORMS.
- Beam, Carrie (2006). "How to assess your sales pipeline." Consulting to Management, Volume 17, Issue 2. Milwaukee, Wis.: Journal of Management Consulting, Inc.
- Beam, Carrie (2005). "Turn Quantitative Data Into Meaningful Information." Consulting to Management, Volume 16, Issue 2. Milwaukee, Wis.: Journal of Management Consulting, Inc.
- Beam, Carrie, and Sack, J. (2005). "Performance Measures for Your Business." Consulting to Management, Volume 16, Issue 4, Milwaukee, Wis.: Journal of Management Consulting, Inc.
- Beam, Carrie (2004). "ASP, The Art and Science of Practice: How I Started an OR/MS Consulting Practice with a Laptop, a Phone, and a PhD." Interfaces: Volume 34, Issue 4.

- Segev, A., Beam, C., and Shanthikumar, G. (2001). "Optimal Design of Internet-Based Auctions." *Information Technology and Management: Volume 2, Issue 2*.
- Segev, A., and Beam, C. (1999). "Brokering strategies in electronic commerce markets." *EC '99: Proceedings of the first ACM conference on electronic commerce*.
- Beam, C., Segev, A., Bichler, M., and Krishnan, R. (1999). "On Negotiations and Deal Making in Electronic Markets." *Information Systems Frontiers: Volume 1, Issue 3*.
- Beam, C. (1999). "Auctioning and bidding in electronic commerce: the online auction." Doctoral dissertation, University of California at Berkeley, Department of Industrial Engineering and Operations Research.
- Bichler, M., Beam, C., and Segev, A. (1998). "OFFER: A Broker-Centered Object Framework for Electronic Requisitioning." *TREC '98: Proceedings of the International IFIP/GI Working Conference on Trends in Distributed Systems for Electronic Commerce*. London, UK.
- Gebauer, J., Beam, C, and Segev, A. (1998). "Impact of the Internet on Procurement." *Acquisition Review Quarterly*, Ft. Belvoir, VA.
- Segev, A., Wan, D., and Beam, C. (1995). "Electronic catalogs: a technology overview and survey results." *Proceedings of the Fourth International Conference on Information and Knowledge Management (CIKM)*. Baltimore, MD.

PODCAST INTERVIEWS

Inclusive Leadership in a Virtual World, Sept. 11, 2023, Belle Walker of Belleview Consulting
Interviews Carrie Beam. [Link to podcast.](#)

Inclusive Leadership Weekly Podcast. "3 Daily Cognitive Biases" - Episode 154.
[Link to podcast.](#)