

YOUR NAME

PUBLICATIONS

10. Yu Luo, Robert J. Lovelett, J. Vincent Price, Devesh Radhakrishnan, Kristopher Barnthouse, Ping Hu, Eugene Schaefer, John Cunningham, Kelvin H. Lee, Raghunath B. Shivappa, and Babatunde A. Ogunnaike. Modeling the effect of amino acids and copper on monoclonal antibody productivity and glycosylation: a modular approach. *Biotechnology Journal*, 2020. In press
9. Evan Wells, Liqing Song, Madison Greer, Yu Luo, Varghese Kurian, Babatunde A. Ogunnaike, and Anne S. Robinson. Media supplementation for targeted manipulation of monoclonal antibody galactosylation and fucosylation. *Biotechnology and Bioengineering*, 117(11):3310–3321, July 2020
8. Venkat Venkatasubramanian and Yu Luo. How much income inequality is fair? Nash bargaining solution and its connection to entropy. In Anindya Chakrabarti, Lukas Pichl, and Taisei Kaizoji, editors, *Network Theory and Agent-Based Modeling in Economics and Finance*, pages 159–174. Springer, Singapore, December 2019
7. Yu Luo, Garud Iyengar, and Venkat Venkatasubramanian. A one-third advice rule based on a control-theoretic opinion dynamics model. *IEEE Transactions on Computational Social Systems*, 6(3):576–581, June 2019
6. Venkat Venkatasubramanian, Yu Luo, and Zhizun Zhang. Control of complex sociotechnical systems: importance of causal models and game theory. *Computers & Chemical Engineering*, 123:1–11, April 2019
5. Yu Luo, Garud Iyengar, and Venkat Venkatasubramanian. Social influence makes self-interested crowds smarter: an optimal control perspective. *IEEE Transactions on Computational Social Systems*, 5(1):200–209, March 2018
4. Garud Iyengar, Yu Luo, Shivaram Rajgopal, Venkat Venkatasubramanian, and Zhizun Zhang. Towards a financial statement based approach to modeling systemic risk in insurance and banking. *Columbia Business School Research Paper*, 17(177), July 2017. Available at SSRN. **Featured by the “SSRN Top Ten List” in Banking and Insurance, Risk Management and Analysis in Financial Institutions, Risk Management, and Financial Crises categories**
3. Yu Luo, Garud Iyengar, and Venkat Venkatasubramanian. Soft regulation with crowd recommendation: coordinating self-interested agents in sociotechnical systems under imperfect information. *PLoS ONE*, 11(3):e0150343, March 2016
2. Venkat Venkatasubramanian, Yu Luo, and Jay Sethuraman. How much inequality in income is fair? A microeconomic game theoretic perspective. *Physica A: Statistical Mechanics and its Applications*, 435:120–138, October 2015. **Featured by the “ScienceDirect Top 25 List of Most Downloaded Articles”**
1. Richard Bookstaber, Paul Glasserman, Garud Iyengar, Yu Luo, Venkat Venkatasubramanian, and Zhizun Zhang. Process systems engineering as a modeling paradigm for analyzing systemic risk in financial networks. *The Journal of Investing*, 24(2):147–162, May 2015

PRESENTATIONS

26. Yu Luo, Varghese Kurian, Janine Buonato, Matthew J. Lazzara, and Babatunde A. Ogunnaike. Model-based approach for multivariate signaling regulation of epithelial-mesenchymal transition in pancreas cancer cells. In *AIChE Annual Meeting*, San Francisco, CA, November 2020. Oral presentation
25. Yu Luo. Model-based control of biological processes: systems engineering in biomanufacturing and cancer treatment. In *AIChE Annual Meeting*, San Francisco, CA, November 2020. Poster presentation
24. Yu Luo. Model-based control of biological processes: systems engineering in biomanufacturing and cancer treatment. GSK, King of Prussia, PA, October 2020. Invited seminar
23. Yu Luo, Varghese Kurian, Janine Buonato, Matthew J. Lazzara, and Babatunde A. Ogunnaike. Model-based approach for multivariate signaling regulation of epithelial-mesenchymal transition in pancreas cancer cells. In *CSBC Annual Investigators Meeting*, Bethesda, MD, September 2020. Poster presentation
22. Yu Luo, Devesh Radhakrishnan, Evan Wells, Deepto Banerjee, Liqing Song, Varghese Kurian, Anne S. Robinson, and Babatunde A. Ogunnaike. Control of glycosylation and titer in fed-batch monoclonal antibody production. In *Cell Culture Engineering XVII*, Tucson, AZ, April 2020. Poster presentation (rescheduled due to COVID-19)
21. Yu Luo, Devesh Radhakrishnan, Evan Wells, Deepto Banerjee, Liqing Song, Varghese Kurian, Anne S. Robinson, and Babatunde A. Ogunnaike. Control of glycosylation and titer in fed-batch monoclonal antibody production. In *ACS National Meeting & Expo*, Philadelphia, PA, March 2020. Oral presentation (rescheduled due to COVID-19)
20. Yu Luo. Smart biomanufacturing and smarter crowds: a process systems engineering + artificial intelligence approach. Purdue University, West Lafayette, IN, January 2020. Invited seminar
19. Yu Luo. Smart biomanufacturing and smarter crowds: a process systems engineering + artificial intelligence approach. Clemson University, Clemson, SC, January 2020. Invited seminar
18. Yu Luo, Devesh Radhakrishnan, Anne S. Robinson, and Babatunde A. Ogunnaike. Control of glycosylation and titer in fed-batch monoclonal antibody production. In *AIChE Annual Meeting*, Orlando, FL, November 2019. Oral presentation
17. Yu Luo. Systems approach to advanced decision-making in chemical engineering, biomanufacturing, and society. In *AIChE Annual Meeting*, Orlando, FL, November 2019. Poster presentation
16. Yu Luo. Systems and advanced decisions: from biomanufacturing to opinion dynamics applications. Imperial College London, London, U.K., June 2019. Invited seminar
15. Yu Luo. Systems and advanced decisions: from biomanufacturing to opinion dynamics applications. Clarkson University, Potsdam, NY, June 2019. Invited seminar
14. Yu Luo, J. Vincent Price, Robert J. Lovelett, Devesh Radhakrishnan, Kristopher Barnthouse, Eugene Schaefer, John Cunningham, Ping Hu, Kelvin H. Lee, and Babatunde A. Ogunnaike. Multiscale modeling of antibody production and glycosylation for improved upstream process design. In *ACS National Meeting & Expo*, Orlando, FL, April 2019. Oral presentation
13. Yu Luo. Systems and advanced decisions: from biomanufacturing to opinion dynamics applications. Stevens Institute of Technology, Hoboken, NJ, March 2019. Invited seminar
12. Yu Luo. Systems and advanced decisions: from biomanufacturing to opinion dynamics applications. University of Waterloo, Waterloo, ON, Canada, March 2019. Invited seminar

11. Yu Luo, J. Vincent Price, Robert J. Lovelett, Devesh Radhakrishnan, Kristopher Barnthouse, Eugene Schaefer, John Cunningham, Ping Hu, Kelvin H. Lee, and Babatunde A. Ogunnaike. Multiscale modeling of antibody production and glycosylation for improved upstream process design. In *Biotherapeutics and Vaccines Development (Gordon Research Conference)*, Galveston, TX, January 2019. Poster presentation
10. Yu Luo, J. Vincent Price, Robert J. Lovelett, Devesh Radhakrishnan, Kristopher Barnthouse, Eugene Schaefer, John Cunningham, Ping Hu, Kelvin H. Lee, Raghunath B. Shivappa, and Babatunde A. Ogunnaike. Multiscale modeling of monoclonal antibody (mAb) production and glycosylation in a Chinese hamster ovary (CHO) cell culture process. In *AIChE Annual Meeting*, Pittsburgh, PA, October 2018. Oral presentation
9. Yu Luo. Process systems engineering and artificial intelligence for advanced manufacturing: including applications to biopharmaceuticals. In *AIChE Annual Meeting*, Pittsburgh, PA, October 2018. Poster presentation
8. Yu Luo, J. Vincent Price, Robert J. Lovelett, Devesh Radhakrishnan, Kristopher Barnthouse, Eugene Schaefer, John Cunningham, Ping Hu, Kelvin H. Lee, Raghunath B. Shivappa, and Babatunde A. Ogunnaike. Multiscale modeling of monoclonal antibody (mAb) production and glycosylation in a CHO cell culture process. In *AMBIC Semiannual Meeting*, Fremont, CA, June 2018. Poster presentation
7. Yu Luo, J. Vincent Price, Robert J. Lovelett, Devesh Radhakrishnan, Kristopher Barnthouse, Eugene Schaefer, John Cunningham, Ping Hu, Kelvin H. Lee, Raghunath B. Shivappa, and Babatunde A. Ogunnaike. Multiscale modeling of monoclonal antibody (mAb) production and glycosylation in a CHO cell culture process. In *Cell Culture Engineering XVI*, Tampa, FL, May 2018. Poster presentation
6. Yu Luo, Garud Iyengar, and Venkat Venkatasubramanian. Control with soft feedback in social systems: mathematical principles, empirical evidence, and applications. In *AIChE Annual Meeting*, Minneapolis, MN, November 2017. Oral presentation
5. Yu Luo, Ashutosh Nanda, Shivaram Rajgopal, Vinay Ramesh, Zhizun Zhang, Catherine Zhao, and Venkat Venkatasubramanian. A data-driven early warning system for mining accidents. In *Global Congress on Process Safety*, San Antonio, TX, March 2017. Oral presentation
4. Yu Luo, Garud Iyengar, and Venkat Venkatasubramanian. The control of self-interested agents: learning from nature’s wisdom of crowds. In *AIChE Annual Meeting*, San Francisco, CA, November 2016. Oral presentation. **Finalist and travel grant recipient for the AIChE CAST Division Director’s Student Presentation Award**
3. Yu Luo, Richard Bookstaber, Paul Glasserman, Garud Iyengar, Zhizun Zhang, and Venkat Venkatasubramanian. Process systems engineering beyond chemical plants: signed digraph as a modeling tool for analyzing systemic risk in financial networks. In *AIChE Annual Meeting*, San Francisco, CA, November 2016. Oral presentation
2. Yu Luo. Process systems engineering beyond chemical plants. In *AIChE Annual Meeting*, San Francisco, CA, November 2016. Poster presentation
1. Yu Luo, Garud Iyengar, and Venkat Venkatasubramanian. Soft regulation: coordinating distributed self-interested agents in sociotechnical systems. In *AIChE Annual Meeting*, Atlanta, GA, November 2014. Oral presentation