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## Biographies

**Tao Wu** has been working as a Data Scientist in the Advanced Analytics group at The Dow Chemical Company since 2014. His research interests are in the arena of building mathematical, analytical, and statistical models, and developing algorithms, methodologies, and theories for solving real industrial problems. His work has been applied in price optimization and revenue management, manufacturing, production planning, supply chain management, marketing and finance, energy management, and logistics. He has been serving as an Associate Editor for the International Journal of Systems Science. He has published more than 20 refereed international journal papers, and the work has appeared in INFORMS Journal on Computing, Transportation Research Part B., Transportation Research Part E., Journal of Global Optimization, Annals of Operations Research, European Journal of Operational Research, Omega, International Journal of Production Economics, Computers & Operations Research, International Journal of Production Research, and IEEE Trans. on Automation Science and Engineering, etc. Before joining Dow, he worked at Apollo Group Inc. and General Motors as Operations Research Scientist and Research Engineer, respectively. Earlier, he was granted with a Ph.D. degree in Industrial and Systems Engineering in 2010 and a Master degree in computer science in 2009 from The University of Wisconsin-Madison.

**Ameya Dhaygude** has been working as a Data Scientist in the Advanced Analytics group at The Dow Chemical Company since 2011. Ameya has expertise in operations research and machine learning methods. He is leading development of scalable analytical solutions for supply chain and purchasing processes at Dow. Ameya has successfully implemented operations research and optimization algorithms which has enabled multi-million dollar value for Dow. For example, he has implemented Mixed Integer Linear Programs (MILPs) to optimize supply chain networks, applied stochastic program to hedge price risk of raw materials, developed econometric time series models to forecast demand and prices, used decision tree to classify invoice data, etc. Prior to joining Dow, Ameya received his Master's in Industrial Engineering and Management from the Oklahoma State University in 2010. He worked as a research assistant for Dr. Baski Balasundaram during his graduate studies. Ameya's research work and Master's thesis focused on developing metaheuristic algorithms to solve the chance constrained minimum spanning *k*-core problem.

**Barnali Bhattacharjee** has been working as a Data Scientist and Analytics Deployment Lead in the Advanced Analytics group at The Dow Chemical Company since early 2018. Her work focuses on developing innovative and data-driven solutions for a wide array of business problems, with an emphasis on marketing, sales, supply chain, and procurement, and has expertise in predictive modeling, machine learning, and strategic decision making. Prior to joining Dow, Barnali received her Master's in Statistics from Indian Institute of Technology Kanpur in 2010, another Master's in Business Analytics in 2017 from Michigan State University, and worked for 5 years in Retail & Corporate Banking leading and developing data science solutions.