ATIF OSMANI, PhD (Adjunct Instructor)

EDUCATION

1) Doctor of Philosophy in Industrial Engineering, 08/2010 – 07/2014. North Dakota State University, Fargo, ND, USA.
Dissertation titled "*Optimization of large-scale sustainable renewable energy supply chains in a stochastic environment*"
2) Master of Science in Industrial Engineering, 08/1991 – 05/1993. New Mexico State University, Las Cruces, NM, USA.
3) Bachelor of Science in Mechanical Engineering, 09/1987 – 07/1990. Imperial College, London, United Kingdom.

CONTINUING EDUCATION

MicroMasters in Project Management, 01/2021 – 12/2021. Rochester Institute of Technology (RIT), USA.
MicroMasters in Supply Chain Management, 09/2017 – 08/2018. Massachusetts Institute of Technology (MIT), USA.

HONORS: Awarded the Graduate School Doctoral Dissertation Fellowship for 2013/14 by North Dakota State University.

Accepted Journal Papers, Book Chapters, and Peer-Reviewed Conference Papers

Awudu I, Asare A, Asa E, **Osmani A**, Gonela V, Afful-Dadzie A. Maximizing Profits in an Ethanol Supply Chain with Hedging Strategies. *Journal of Supply Chain and Operations Management* 2019;17(02).
Gonela V, Salazar D, Zhang J, **Osmani A**, Awudu I, Altman B. Designing a sustainable stochastic electricity generation network with hybrid production strategies. *International Journal of Production Research* 2019:57:2304-2326.
Bachkar K, Awudu I, **Osmani A**, Hartman B. Fleet Management for Rail Car Transport of Ethanol. *Research in Transportation Business & Management* 2017;25:29–38.
Park Y, Szmerekovsky J, **Osmani A**, Ghani N. Integrated Multimodal Transportation Model for a Switchgrass-Based Bioethanol Supply Chain: Case Study in North Dakota. *Transportation Research Record* 2017;2628:32–41.
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Gonela V, Zhang J, **Osmani A**. Stochastic optimization of sustainable industrial symbiosis based hybrid generation bioethanol supply chains. *Computers & Industrial Engineering* 2015;87:40–65.
Gonela V, Zhang J, **Osmani A**, Onyeaghala R. Stochastic optimization of sustainable hybrid generation bioethanol supply chains. *Transportation Research Part E: Logistics and Transportation Review* 2015;77:1–28.
Awudu I, Zhang J, **Osmani A**, Bachkar K, Malm J, Yakubu M. Financial Hedging and Sustainability Modeling Considering Uncertainties: A Case Study of Ethanol Supply Chain. *Journal of Management and Sustainability* 2015;5:1–23.
Osmani A, Zhang J. Optimal grid design and logistic planning for wind and biomass based renewable electricity supply chains under uncertainties. *Energy* 2014;70:514–528.
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Osmani A, Zhang J, Gonela V, Awudu I. Electricity generation from renewables in the United States: Resource potential, current usage, technical status, challenges, strategies, policies, and future directions. *Renewable and Sustainable Energy Reviews* 2013;24:454–472.
Zhang J, **Osmani A**, Awudu I, Gonela V. An integrated optimization model for switchgrass-based bioethanol supply chain. *Applied Energy* 2013;102:1205–1217.
Zhang J, **Osmani A**. Economic and Land-Use Optimization of Lignocellulosic-Based Bioethanol Supply Chains Under Stochastic Environment. *Handbook of Bioenergy: Bioenergy Supply Chain-Models & Applications.* Springer 2015; 219–51.
Szmerekovsky J, **Osmani A**, Prahalad V. Payment Scheduling for a Project with Resource Constraints and Two Clients. *Proceedings of the 2016 Pre-ICIS SIGDSA/IFIP WG8.3 Symposium: Innovations in Data Analytics*, Dublin, Ireland.
Bachkar K, Enyinda C, **Osmani A**, Tagert B. Decision Support Model for Managing the Security Risk in the Global Container Supply Chain. *2016 International Conference on Industry, Engineering, and Management Systems*, Florida.
Osmani A, Zhang J, Awudu I, Gonela V. Optimal Scheduling Approach to Minimize Resource Conflict in Audiology Clinics. *Proceedings of the 2013 Industrial and Systems Engineering Research Conference*, San Juan, Puerto Rico.
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