

Soumyakant Padhee (Soum)

CONTACT INFORMATION	21 Worthington St., Unit-2, Boston, Massachusetts, 02120, USA	+1-(608) 628-9117 padhee.s@northeastern.edu soumyakant.padhee.github.io
EDUCATION	Northeastern University Ph.D. Candidate, Industrial Engineering (expected July 2023) Dissertation Topic: Dynamics of Innovation in Eng. design teams: Complex Network Approach. Committee: Babak Heydari (Advisor), Samina Karim, Yingzi Lin, Tucker Marion University of Wisconsin-Madison - May 2019 M.S. (Business, Operations Management) RWTH Aachen University, Germany - Mar. 2015 M.S. (Production Systems Engg.) Veer Surendra Sai University of Technology (UCE), India - May 2010 Bachelor of Technology (Manufacturing Sc.)	
RESEARCH INTERESTS	Innovation, Organizational Design, Systems Engineering & Socio-technical Systems, Social & Economic Networks, Decision Science, Game Theory, Supply Chain & Operations Management.	
HONORS AND AWARDS	2022	College of Engineering Graduate Teaching Award
	2021	Dept. of Mechanical & Industrial Engg. Engineering-as-Art Award
	2018	Henry C. Naiman Outstanding Graduate Student Teaching Award, Wisconsin School of Business
	2016–2019	School of Business Scholarship, University of Wisconsin-Madison
	2015	Best of Class Scholarship & named in Dean's list for outstanding academic achievement, RWTH Aachen University
SUBMITTED WORK	S. Padhee , N. Lore, B. Heydari. <i>Evolution of Design Teams throughout Industry Life Cycle: Interplay of Innovation and Complexity.</i>	
WORKING PAPER	S. Padhee , B. Heydari. <i>Identifying Evolution of Innovation Networks at Different Stages of Technology Life Cycle: Evidence from Patent-Citation Networks.</i> B. Heydari, Y. Bart, D.T. O' Brain, S. Padhee . <i>Short-term Rentals Improve Locals' Experience of Neighborhood Eateries Evidence from the impact of Airbnb on Restaurants Quality in Boston.</i>	
CONFERENCE PAPER PRESENTATIONS	<i>Strategic Management Society (SMS) 42nd Annual Conference in London (September 2022)</i> - "Core or Periphery: Where Should Firms Locate Exploring Innovators? Exploring With an NK Model" with B. Heydari, S. Chattopadhyay, S. Padhee , S. Karim. (peer-reviewed) <i>The Council of Engineering Systems Universities (CESUN) at Eighth International Engineering Systems Symposium</i> , Charlottesville. (October 2021) - "Innovation Flow in Engineering System Design Teams: Core and Periphery and the Role of Complexity". (peer-reviewed)	

CONF. PAPER CONT.	<i>Institute for Operations Research and the Management Sciences (INFORMS) Annual Meeting, Virtual. (November 2020) - “Evolution of Innovation Networks at Different Stages of Technology Life cycle”.</i>	
TEACHING EXPERIENCE	2022–2023	Northeastern University. Teaching Assistant (Fall), Economic Decision Making 34 students.
	2021–2022	Teaching Assistant (Fall–Spring), Economic Decision Making 31+19 students.
	2019–2020	Teaching Assistant (Spring), Platforms and Sharing Economics 12 students.
	2019–2020	Teaching Assistant (Fall), Economic Decision Making 36 students.
		Wisconsin School of Business.
	2018–2019	Lead Teaching Assistant (Spring), Business Analytics II 540 students, 5 sections, Avg. teaching evaluation 4.20/5 <i>Distinguished Teaching Award, 2019</i>
	2017–2018	Teaching Assistant (Fall–Spring), Business Analytics II 489 + 501 students, 5 sections, Avg. teaching evaluation 4.58/5 <i>Distinguished Teaching Award, 2018</i>
	2016–2017	Teaching Assistant (Fall–Spring), Business Analytics II 459 + 486 students, 5 sections, Avg. teaching evaluation 4.28/5 <i>Distinguished Teaching Award, 2017</i>
PROFESSIONAL EXPERIENCE	2015	Wissenschaftliche Hilfskraft, (Hardware-in-Loop ECU Testing for Daimler Truck AG) FEV GmbH, Aachen, Germany
	2014–2015	Research Assistant Fraunhofer-Gesellschaft, Aachen, Germany.
	2012–2013	Assistant Manager (Vendor Development & Process Quality) New Engines & Power Trains CVBU, Tatanagar, Tata Motors, India.
	2010–2012	Assistant Manager (Head Manufacturing’s Office) Production Planning Projects Commercial Vehicle Business Unit, Tatanagar, Tata Motors, India
CERTIFICATIONS	Six Sigma Black Belt Certification , American Society of Quality, USA	
LANGUAGES	English (Fluent), Hindi (Native), Odia (Native), German (Working Proficiency)	
TECHNICAL SKILLS	R, Python, LaTeX, MATLAB, Otree, Gurobi	
SELECTED GRADUATE COURSEWORK	Micro-Economics Series, Game Theory, Econometric Theory, Industrial Organization Theory, Risk Analysis & Decision Science, Stochastic Modelling Techniques, Optimization Series (Linear, Non-linear, Integer, Dynamic, Network), Machine Learning, Supply Chain & Inventory Control, Experimental Game Designing, Network & Graph Theory.	
REFERENCES	<div> Prof. Babak Heydari (Advisor) Dept. of Mechanical & Industrial Engg. MAGICS Lab & Network Science Institute Northeastern University b.heydari@northeastern.edu (608)263-2138 </div> <div> Prof. Yakov Bart Associate Professor of Marketing D’Amore-McKim School of Business Northeastern University y.bart@northeastern.edu (857)327-7373 </div>	

PUBLICATIONS
FROM
ANOTHER AVATAR

S. Padhee, S. Pani, S.S. Mahapatra (2012). *Parametric Study on laser drilling of Al/SiCp metal matrix composite*, Proceedings of Institution of Mechanical Engineers, Journal of Engineering manufacture March, Vol 226, Issue 1,2012.

S. Padhee, N. Nayak, S. Panda, P. Dhal, S.S. Mahapatra (2012). *Multi-objective Parametric Optimization of Powder Mixed Electro-discharge Machining using Response Surface Methodology and Non- Sorted Genetic Algorithm*, Sadhana - Journal of Indian Academy Of Science, Vol.37, Part 2.

G.S. Beriha, B. Patnaik, S.S. Mahapatra, **S. Padhee** (2012). *Assessment of safety performance in Indian industries using fuzzy approach*, Expert System with applications, Vol 39, Issue 3,2012.

H.B. Sahu, **S. Padhee**, S. Pani, S.S. Mahapatra (2011). *Prediction of spontaneous heating susceptibility of Indian coals using fuzzy logic and artificial neural network model*, Expert System with Applications, Vol 38, Issue 3,2011.

S. Panda, **S. Padhee**, A. K. Sood, S.S. Mahapatra (2009). *Optimization of Fused Deposition Modeling (FDM) Process Parameters Using Bacterial Foraging Technique*, Intelligent Information Management, Vol 1, No. 2.