

## Ananya Sheth

G230 Hampton Hall, Purdue University

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## Curriculum Vitae

### EDUCATION

2016 – present	Doctoral Candidate & Research Assistant The Innovation Science Lab at Purdue University [GPA: 3.75]
2014 – 2016	M.S. Civil Engineering Purdue University [GPA: 3.83]
2008 – 2012	B.E. Civil Engineering Manipal Institute of Technology, India [GPA: 3.50]

### PEER-REVIEWED PAPERS

2020	Sheth, A., Sinfield, JV.	Systematic Problem-specification in Innovation Science using Language <i>In-Revision – The International Journal of Innovation Science – Emerald</i> <i>- Likely publication in Vol 12- issue 3, 2020</i>
2020	Sheth, A., Sinfield, JV.	Swarm Modelling of Collective Leadership in Top Management Teams <i>In-Revision – The Leadership Quarterly – Elsevier</i> <i>Likely publication date: December 2020</i>
2020	Sinfield, JV. Sheth, A. Kotian, RR.	Framing the Intractable: Comprehensive Success Factors for Grand Challenges <i>In-Revision – Sustainable Futures – Elsevier</i> <i>Likely publication date: September 2020</i>
2020	Sheth, A., Sinfield, JV.	Simple Rules for Innovation Strategy <i>In-Review – Technovation – Elsevier</i> <i>Likely publication date: no indication</i>
2014	Sheth, A., Goel, A., Pai, BV.	Properties of Concrete on Replacement of Coarse Aggregate and Cementitious Materials with Styrofoam And Rice Husk Ash <i>American Journal of Engineering Research 2014, 3(1), 268-271.</i>

### MANUSCRIPTS IN PREPARATION

2020	Sheth, A. Kotian, RR., Sinfield, JV.	A Generalized Pattern for Issue Analysis: The case of small-medium enterprises in International Development <i>In-Preparation – Development Engineering – Elsevier</i> <i>Likely submission date: August 2020</i>
2020	Kotian, RR., Sheth, A., Sinfield, JV.	Success Factors Framework for Grand Challenges <i>In-Preparation – World Development Journal – Elsevier</i> <i>Likely submission date: November 2020</i>
2020	Ajmani, A., Sheth, A.,	Defining an Innovation Focus for Marine Renewable Energy in the USA <i>In-Preparation – The Marine Technology Society Journal</i>

- Sinfield, JV. *Likely publication date: August 2020*
- 2020 Sheth, A., Linguistic AI in Generating Purpose-Contexts for Manufacturing  
Misra, K., *In-Preparation – Journal of Intelligent Manufacturing – Springer Nature*  
Rayz, JT., *Likely submission date: September 2020*  
Sinfield, JV.
- 2020 Sheth, A., Innovation Motifs for Design  
Solis, F., *In-Preparation – Design Studies – Elsevier*  
Sinfield, JV. *Likely submission date: November 2020*
- 2020 Sheth, A., Innovation Motifs and Strategy  
Solis, F., *In-Preparation – Innovation – Taylor & Francis*  
Sinfield, JV. *Likely submission date: December 2020*

#### REFEREED CONFERENCE PAPERS & TALKS

- 2019 Sheth, A., Simulating Self-Organization during Strategic Change: Implications for  
Sinfield, JV. Organizational Design  
*Proceedings of the Association of Computing Machinery - Special Interest Group on Human-Computer Interface – Collective Intelligence Conference 2019, Carnegie Mellon University – Pittsburgh*
- 2018 Sheth, A., Applying 'simple-rules' heuristics to simulate self-organized managerial  
Sinfield, JV. adaptation to strategic change in three organizational designs  
*The 34th European Group for Organizational Studies (EGOS) Colloquium at Tallinn, Estonia*
- 2018 Sheth, A., Towards proactive organizational change.  
Sinfield, JV. *Paper Development Workshop - Academy of Management (AOM) Chicago*
- 2018 Sheth, A., The theory of proactive organizational resilience.  
Sinfield, JV. *Paper Development Workshop - Academy of Management Review (AMR) – Haas School of Business, University of California Berkeley*
- 2017 Sheth, A., Swarm Intelligence and Organizations.  
Sinfield, JV. *The Society for Industrial and Applied Mathematics (SIAM) – Purdue Chapter*

#### REFREED POSTERS

- 2020 Sheth, A., Towards Resilient Organizations- Beginning with a Typology of Risks  
Sinfield, JV. *Purdue's intramural annual Sigma Xi poster competition*
- 2019 Lin, YC., Enabling Innovation in Action.  
Lumpkin, D. *The Civil Engineering Graduate Research Symposium – Purdue University*  
Sheth, A.,  
Sinfield, JV.,

#### OTHER PUBLICATIONS

- 2019 Sheth, A., Enabling Innovation Insights Report for the Proctor & Gamble Co.  
Sinfield, JV.

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|------|-----------------------------|---|
| 2019 | Sheth, A.,<br>Sinfield, JV. | Enabling Innovation Implementer's Guide for the <i>Proctor &amp; Gamble Co.</i>   |
| 2018 | Sheth, A.,<br>Sinfield, JV. | Synthesis Study: Overview of Readily Available Culvert Inspection Technologies – <i>Joint Transportation Research Program - The Indiana State Department of Transport (INDOT)</i> |

#### GRANT WRITING EXPERIENCE

- |      |            |   |
|------|------------|---|
| 2020 | Co-PI      | Doctoral Dissertation Research Improvement Grant – Decision, Risk, Management Science Division – <i>National Science Foundation (in review)</i> |
| 2016 | Fellowship | Kauffmann Foundation graduate research grant - ( <i>not awarded</i> )   |

#### AWARDS

- |      |                              |   |
|------|------------------------------|---|
| 2019 | Sinfield, JV.,<br>Sheth, A., | Provisional Patent on Computational Natural-Language Processing for Issue Trees – <i>Purdue Research Foundation and USPTO</i> |
| 2019 | Travel grant                 | Purdue University Graduate School   |
| 2015 | Scholarship                  | Construction Management Association of America – Chicago  |
| 2012 | Finalist                     | Go Green in the City – Global Innovation Challenge<br><i>Schneider Electric - Paris</i>                                       |

#### SERVICE

- |               |           |  |
|---------------|-----------|--|
| 2020          | Team lead | Purdue Engineering Initiative on Innovation & Making –<br>Congregation of innovation resources at Purdue University and website design |
| 2016-<br>2018 | Co-chair  | Professional development committee for the Civil Engineering Graduate Students Advisory Council (CEGSAC) – <i>Purdue University</i>    |
| 2017-<br>2020 | Reviewer  | The Academy of Management (AOM) annual meeting   |
| 2020          | Reviewer  | The International Journal of Innovation Science  |

#### SKILL DEVELOPMENT WORKSHOPS

- Writing Publishable Papers at the Purdue College of Engineering
- eXtreme Science and Engineering Discovery Environment (XSEDE) workshops on using High Performance Computing resources provided by the XSEDE project

#### PROFESSIONAL MEMBERSHIPS

- Academy of Management (AOM)
- European Group on Organizational Studies (EGOS)
- The Society for Decision Making Under Deep Uncertainty (DMDU)
- International Society for Professional Innovation Management (ISPIM)
- Association of Computing Machinery (ACM)

- Purdue System Thinkers – Student Chapter of Purdue (INCOSE)
- The Evolution Institute
- Advanced Degree Consulting Club at Purdue

#### INDUSTRY WORK EXPERIENCE

- |           |                           |  |
|-----------|---------------------------|--|
| 2014-2016 | Assistant Program Manager | Purdue University Residences   |
|           |                           | <ul style="list-style-type: none"> <li>• Built the UR Global program and Student Club.</li> <li>• Led trainings and conducted leadership workshops for 30+ student volunteers</li> <li>• Organized 30+ events for international undergraduate students' development</li> </ul>                     |
| 2012-2014 | Assistant Project Manager | V-Create Architects, India   |
|           |                           | <ul style="list-style-type: none"> <li>• Delivered two construction projects and played key roles in all phases of the construction life cycle.</li> <li>• Led the operations team to deliver 67,000 sft. of space on time and within budget, maintaining an optimum construction cycle</li> </ul> |

#### EXTRA-CURRICULAR ACTIVITIES

- Art of Living – Purdue Chapter
- Founding member – TATVAM – Global fusion music band at Purdue
  - Performed 50+ music shows in Indiana and Illinois