

# **Paper Title (18 font bold center)**

**Ahad Ali and Don Reimer (12 font bold center)**

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## **Paper Title**

- 18 font with bold and center justification
- All titles should be in standard mixed case, where the first letter of each word is capitalized and followed by lower case letters, as noted below:

**Lean Manufacturing, Operations Management and Six Sigma Applications**

## **Authors and Affiliations**

- Author name – 12 font with bold and center justification
- Affiliation – 12 font with center justification
- Authors with same affiliation should be together
- Authors with different affiliation should be listed separately with one space in between
- Email can be added for each author
- Single space between affiliation and abstract title

## **Abstract (12 font)**

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- Abstract title – 12 font with bold and center justification
- Abstract text – 10 font with full justification
- Not exceeding 200 words.

## **Keywords (12 font)**

Keyword 1, Keyword 2, keyword 3, Keyword 4 and Keyword 5. (10 font)

- No more than five keywords (10 font)

## **1. Introduction (12 font)**

Add introduction here including motivation of the research (why this research is important / why this research is needed), and problem statements. (10 font)

### **1.1 Objectives (11 font)**

Add research objectives here. Make sure to fulfil all the research objectives at the end and articulate in the conclusion. Focus on key unique research contributions (10 font)

## **2. Literature Review (12 font)**

Add literature review here (10 font)

### **3. Methods (12 font)**

Add methods here (10 font)

### **4. Data Collection (12 font)**

Add data collection here. (10 font)

## **5. Results and Discussion (12 font)**

### **5.1 Numerical Results (11 font)**

Add numerical results here. Make sure to describe all tables and add inferences (10 font)

### **5.2 Graphical Results (11 font)**

Add graphical results here. Make sure to describe all figures and add inferences. If needed, add statistical analysis here. (10 font)

### **5.3 Proposed Improvements (11 font)**

Add propose improvements write here including additional numerical and graphical results (10 font)

### **5.4 Validation (11 font)**

Add any validation here including improvement with statistical hypothesis tests write here (10 font)

## **6. Conclusion (12 font)**

Add conclusion here. Make sure to address that all objectives are met and emphasize of unique research contribution (10 font)

## **References (12 font)**

Add references here. Make sure to follow IEOM reference format. See details at the end. (10 font)

Rahman, M. A., Sarker, B. R., and Escobar, L. A., Peak demand forecasting for a seasonal product using Bayesian approach, *Journal of the Operational Research Society*, vol. 62, pp. 1019-1028, 2011.

Reimer, D., Entrepreneurship and Innovation, Available: <http://www.ieomsociet.org/ieom/newsletters/>, July 2020.

Reimer, D., and Ali, A., Engineering education and the entrepreneurial mindset at Lawrence Tech, *Proceedings of the 3<sup>rd</sup> Annual International Conference on Industrial Engineering and Operations Management*, Istanbul, Turkey, July 3 – 6, 2012, pp. xx-xx.

Reimer, D., Title of the paper, *Proceedings of the 5<sup>th</sup> North American International Conference on Industrial Engineering and Operations Management*, Detroit, Michigan, USA, August 10-14, 2020, pp. xx-xx.

Shetty, D., Ali, A., and Cummings, R., A model to assess lean thinking manufacturing initiatives, *International Journal of Lean Six Sigma*, vol. 1, no. 4, pp. 310-334, 2010.

## **Biography (12 font)**

Add each author biography – limited to 250 words. (10 font)

## Page Layout

- 8 1/2" X 11" paper
- All margins: 1.00"
- Full justification
- Times New Roman font
- Maximum 12 pages
- Single space for entire manuscript
- Each paper should have abstract, introduction, literature review with minimum 15 citations including some recent publications, methods, data analysis, numerical and graphical results, statistical analysis, validation, conclusion and references.
- Conference name as a header and copyright information as footer must be used. Copyright information implies that IEOM Society International has right to publication the paper

### 1. Headings (12 font)

- 12 font size with bold and left justification
- Header should have numbering

#### 1.1 Sub-Headings (11 font)

- Title – 11 font with sub-numbering
- Text – 10 font with no indexing
- One space between paragraphs

## Literature Review

If author is mentioned at the beginning for the citation:

Rener (2020) developed the SC network with uncertainty. - For Single author

Rener and Ali (2020) developed the SC network with uncertainty. - For two authors

Rener et al. (2020) developed the SC network with uncertainty. - For more than two authors

or if author is mentioned at the end for the citation:

SC network was developed with uncertainty (Rener 2020). - For single author

SC network was developed with uncertainty (Rener and Ali 2020). - For two authors

SC network was developed with uncertainty (Rener et al. 2020). - For more than two authors

### Full details should be provided at the end for Reference Section:

Rener, A., Optimization of the supply chain network using uncertainty, *International Journal of Industrial Engineering and Operations Management*, vol. xx, no. xx, 2020.

Rener, A., and Ali, A., Optimization of the supply chain network using uncertainty, *International Journal of Industrial Engineering and Operations Management*, vol. xx, no. xx, 2020.

Rener, A., Ali, A., and Reimer, D., Optimization of the supply chain network using uncertainty, *International Journal of Industrial Engineering and Operations Management*, vol. xx, no. xx, 2020.

### Few aspects to be considered to prepare a literature review:

- Introductory write up for literature review
- Make sure to add some recent references
- Avoid paper-by-paper review. It should be based on category. Similar topics, applications or tools could be added in one paragraph. Few citations should be in a paragraph.
- A summary paragraph should be added.

## Figures

- Texts of figure should be readable
- Original high quality pictures
- Center justification
- Title of Figure should be in center and it must be mentioned as “Figure x: ...”
- Title of figure should be sentence case with center justification and 10 font
- Title should be after figure
- All figure numbers must be mentioned in the body of the paper.
- One space between texts and figure, figure and title of the figure and title of the figure and texts.

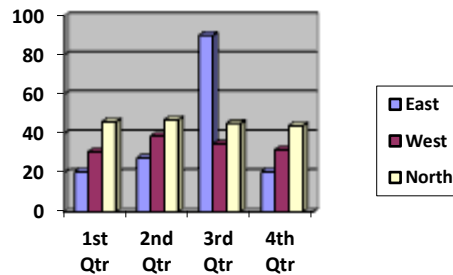


Figure 1. Name of the figure

## Tables

- Texts of table should be readable
- Center justification
- Title of table should be in center and it must be mentioned as “Table x: ...” It should be added before table.
- Title of table should be sentence case with center justification and 10 font size
- All table numbers must be mentioned in the body of the paper.
- One space between texts and table, table and title of the table and title of the table and texts.

Table 1. Name of the table


## Equations

- Equation numbering is optional.

## Acknowledgements

- Add acknowledgement if needed

## References

- References title – 12 font with bold and left justification
- References texts – 10 font

- No numbering should be used for reference title
- Last name and year should be used for any reference citation. Last name and year should be used for single author and double authors. For more than two authors, last name of the first author and “et al.” with year should be used. For examples: Reimer (2009), (Reimer 2009), Reimer and Ali (2009), (Reimer and Ali 2009), Reimer et al. (2009) and (Reimer et al. 2009). Number is not allowed in the reference citation.
- All references must be cited in the paper.
- Journal and conference names should be in italic.
- Title of the book should be in italic.
- All lines after the first line of references list should be indented one-fourth (1/4) inch from the left margin. This is called hanging indentation. .
- Last name and first initial should be should in the reference formatting like below examples.

Chang, T., Wysk, R., and Wang, H., *Computer-Aided Manufacturing*, 3<sup>rd</sup> Edition, Prentice Hall, New Jersey, 2006.

Cook, V., and Ali, A., End-of-line inspection for annoying noises in automobiles: trends and perspectives, *Applied Acoustic*, vol. 73, no. 3, pp. 265-275, 2012.

Jones, M., Optimal lean strategy, Available: <http://www.iienet.org/Details.aspx?id=xxx>, May 21, 2011.

Khadem, M., Ali, A., and Seifoddini, H., Efficacy of lean metrics in evaluating the performance of manufacturing system, *International Journal of Industrial Engineering*, vol. 15, no. 2, pp. 176-184, 2008.

Pandian, A., and Ali, A., Automotive robotic body shop simulation for performance improvement using plant feedback, *International Journal of Industrial and Systems Engineering*, vol. 7, no. 3, pp. 269-291, 2011.

Rahim, A., and Khan, M., Optimal determination of production run and initial settings of process parameters for a deteriorating process, *International Journal of Advanced Manufacturing Technology*, April 2007, vol. 32, no. 7-8, pp. 747-756, 2007.

Rahman, M. A., Sarker, B. R., and Escobar, L. A., Peak demand forecasting for a seasonal product using Bayesian approach, *Journal of the Operational Research Society*, vol. 62, pp. 1019-1028, 2011.

Reimer, D., and Ali, A., Engineering education and the entrepreneurial mindset at Lawrence Tech, *Proceedings of the International Conference on Industrial Engineering and Operations Management*, Istanbul, Turkey, July 3 – 6, 2012.

Shetty, D., Ali, A., and Cummings, R., A model to assess lean thinking manufacturing initiatives, *International Journal of Lean Six Sigma*, vol. 1, no. 4, pp. 310-334, 2010.

Srinivasan, G., Arcelus, F.J., and Pakkala, T.P.M., A retailer’s decision process when anticipating a vendor’s temporary discount offer, *Computers and Industrial Engineering*, vol. 57, pp. 253-260, 2009.

## **Biography / Biographies** (for single author – biography and multiple authors- biographies) – 12 font bold

- Include bio of each author at the end of the paper
- Limited to 200 words

**Ahad Ali** is an Associate Professor, and Director of Master of Engineering in Manufacturing Systems and Master of Science in Industrial Engineering in the A. Leon Linton Department of Mechanical Engineering at the Lawrence Technological University, Michigan, USA. He earned B.S. in Mechanical Engineering from Khulna University of Engineering and Technology, Bangladesh, Masters in Systems and Engineering Management from Nanyang Technological University, Singapore and PhD in Industrial Engineering from University of Wisconsin-Milwaukee. He has published journal and conference papers. Dr Ali has completed research projects with Chrysler, Ford, New Center Stamping, Whelan Co., Progressive Metal Manufacturing Company, Whitlam Label Company, DTE Energy, Delphi Automotive System, GE Medical Systems, Harley-Davidson Motor Company, International Truck and Engine Corporation (ITEC), National/Panasonic Electronics, and Rockwell Automation. His research interests include manufacturing, simulation, optimization, reliability, scheduling, manufacturing, and lean. He is member of IEOM, INFORMS, SME and IEEE.

**Donald M. Reimer** is the managing member of The Small Business Strategy Group, L.L.C and serves as an adjunct professor at Lawrence Technological University. Mr. Reimer holds a Bachelor of Science degree in Industrial Management from Lawrence Technological University and a Master of Arts degree in Political Science from

University of Detroit/Mercy. He has been recognized as a professional management consultant with over 45 years of experience in working with closely-held businesses. He has taught courses in entrepreneurship, management and corporate entrepreneurship and innovation for engineers. Mr. Reimer served as member of the Minority Economic Development Committee of New Detroit. He has served as a KEEN Fellow for The Kern Family Foundation. He is member of the Lawrence Tech Alumni Board of Directors and has elected a Fellow of the IEOM Society International. Mr. Reimer is a faculty advisor of the Student Chapter of the IEOM Society at Lawrence Tech.