VIMAL VISWANATHAN - PUBLICATIONS DURING 2008 -2017

Journal Publications

- 1. Camburn, B., Viswanathan, VLinsey, J., Jensen, D., Otto, K. and Wood, K., 2016, "Prototyping: Stateof-the-art in Techniques, Methods, and Design Science (Acceptedor publication).
- 2. Viswanathan, V., Tomko. M. &Linsey, J., 2015, "A Study on the Effects of Example Familiarity and Modality on Design Fixation," Artificial Intelligence for Engineering Design, Analysis and Manufacturing (AI EDAM) Special Issue on Design, Computing and Cog(hition Press).
- 3. Viswanathan, V., Atilola, O., Esposito, N. and Linsey, J., 2014, Study on the Role of Physical Models in the Mitigation of Design Fixation of Engineering Design (3), pp. 25-43, DOI: 10.1080/09544828.2014.885934.
- 4. Viswanathan, V., and Linsey, J., 2014, "

Refereed Conference Paper Talks:

(Recent papers are listed first)

- 1. Viswanathan, V., Sangelkar, S., AlexandeD., and Moody, J., 2016 User preferences in the Design of Multipurpose Products: A Case Study on the Redesign of a Utility Too International Design Engineering Technical Conferences, Charlotte Adapted.
- 2. Viswanathan, V., Solomon, J., and Unnikrishnan, V., 2016, "Improving Stu**Eeg**tagement in Engineering Classrooms using Bratiased Learning Techniques," ASEE Annual Conference, New Orleans, LA(Accepted)
- 3. Alexande*, D., Moody, J., Sangelkar, S., and Viswanathan, V., 2016AKER: Redesign of a Multipurpose Hardware Tool to Improve its Functionality and MarketabilASEE Annual Conference, New Orleans, L/Accepte).
- 4. Viswanathan, V., and Calhoun, M., 2015 mproving Student Learning Experience in an Engineering Graphics Classroom through the Mastery Approach," ASEE al Confeence, Seattle, WA
- 5. Viswanathan, V., Goodman, J., Atilola, A., and Linsey, J., 2014, "Prototyping: A Key Skill for Innovation and Lifetime Learning," ASEE/IEEE Frontiers in Edution Conference, Madrid, Spain
- 6. Esposito, N., Viswanathan, V., and Linsey, J., 2014, Study on the Factors Influencing the Usage of Environmentally Friendly Producta SEE Annual Conference, Indianapolis, IN
- 7. Viswanathan, V., Ngo, P., Turner, C., and Linsey, J., 2013, "Innovation in Graduate Projects: Learning to Identify Critial Functions," ASEE/IEEE Frontiers in Education Conference, Oklahoma City, OK
- 8. Camburn, B., Dunlap, B., Kuhr, R., Viswanathan, V., Linsey, J., Jensen, D., Crawford, R., Otto, K., and Wood, K., 2013,Methods for Prototyping Strategies in Engineering Design: Framework and Experimental Assessment ASME International Design Engineering Technical Conferences, Portland, OR
- 9. Ngo, P., Viswanathan, V., and Linsey, J., 2018, rinciples of Analogy Usage in Designy-Analogy: A Pilot Study ASME International Design Engineering Technical Conferences, Portland, OR
- 10. Lucero, B., Viswanathan, V., Linsey, J., and Turner, C., 2013 Méta Analogy through Performance Specification ASME International Design Engineering Technical Conferences, Portland, OR
- 11. Viswanathan, V. and Linsey, J., 2013, "Training Future Designers: A Study on the Role of Physical Models," ASEE Annual Conference 2013, Atlanta, GA
- 12. Camburn, B., Dunlap, B., Kuhr, R., Viswanathan, V., Linsey, J., Jensen, D., Crawford, R., Otto, K., and Wood, K., 2013, Connecting Design Problem Characteristics to Prototyping Choices to Form a Prototyping Strategy ASEE Annual Conference 2013, Atlanta, GA
- 13. Viswanathan, V. and Linsey, J. 2013, "Mitigation of Design Fixation in Engineering Idea Generation: A Study on the Role of Defixation Instructions," International Conference on Research into Design, Chennai, India
- 14. Viswanathan, V. and Linsey, J., 2012, "Physical Modeling in Design Projects: Development and Testing of a New Design Method," ASEE/IEEE FrontiersatRi C: Development Development and Testing of a New Design Method," ASEE/IEEE FrontiersatRi C: Development Development and Testing of a New Design Method," ASEE/IEEE FrontiersatRi C: Development Development and Testing Development and Testing Development Design Projects: Development and Testing Design Projects: Development Development Development

- 5. Viswanathan, V., and Linsey, J., 2010, "Physical Models in Engineering Idea Generation," Armadillo XX: The Southwest Cognition Conference, at Texas A&M University, College Station, TX.
- 6. Gadwal, A., Schmidt, S., Viswanatharv., and Linsey, J., 2009, "Idea Generation in Engineering