

## VIMAL VISWANATHAN - PUBLICATIONS DURING 2008 -2017

### Journal Publications

1. Camburn, B., Viswanathan, V., Linsey, J., Jensen, D., Otto, K. and Wood, K., 2016, "Prototyping: State-of-the-art in Techniques, Methods, and Design Science" *Design Science* (Accepted for 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 Cognition* 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" *Journal of Engineering Design* 25(3), pp. 25-43, DOI: 10.1080/09544828.2014.885934.
4. Viswanathan, V., and Linsey, J., 2014, "

Refereed Conference Papers & Talks:

(Recent papers are listed first)

1. Viswanathan, V., Sangelkar, S., Alexander, D., and Moody, J., 2016, "User preferences in the Design of Multipurpose Products: A Case Study on the Redesign of a Utility Tool," ASME International Design Engineering Technical Conferences, Charlotte, NC (Accepted)
2. Viswanathan, V., Solomon, J., and Unnikrishnan, V., 2016, "Improving Student Engagement in Engineering Classrooms using Brain-based Learning Techniques," ASEE Annual Conference, New Orleans, LA (Accepted)
3. Alexander, D., Moody, J., Sangelkar, S., and Viswanathan, V., 2016, "MAKER: Redesign of a Multipurpose Hardware Tool to Improve its Functionality and Marketability," ASEE Annual Conference, New Orleans, LA (Accepted)
4. Viswanathan, V., and Calhoun, M., 2015, "Improving Student Learning Experience in an Engineering Graphics Classroom through the Mastery Approach," ASEE Conference, 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 Education Conference, Madrid, Spain
6. Esposito, N., Viswanathan, V., and Linsey, J., 2014, "



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., Viswanathan, V., and Linsey, J., 2009, "Idea Generation in Engineering