Wichita State University
Department of Industrial, Systems, and Manufacturing Engineering
ISME Colloquium Presentation
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Title: Understanding Contemporary Work Systems for Fair Design and Robust
Operation
Date: Friday 11/16/2018
Time: 1:00 pm – 2:00 pm
Location: Clinton Hall, 214
Abstract
Contemporary work systems involve highly-variable task demands and significant cognitive
components. These work systems have become typical within the service, highly customized, and
highly automated industries, which constitute the vast majority of jobs in today’s US economy.
Nevertheless, state-of-the-art work analysis and design techniques are based on the analysis of last
century’s work systems, which consisted mostly of manual repetitive work. Obtaining statistically
significant work measurement samples for realistic and fair capacity