

SPC and DE for Process Improvement with a Practical Application

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SPC and DE methods are widely used to improve stability, capability, and reduce variability of industrial processes in all industrial sectors. The objective is to apply SPC and DE techniques to improve real manufacturing processes. Real data will be analyzed, root causes of defects will be investigated and control charts and DE will be applied to improve process stability and capability by determining and removing the main causes of process variation.

Note: In addition to the listed topics, topics in the area of process/quality improvement, maintenance, reliability, production and inventory control are possible, interested students should contact Prof. Makis, e-mail: makis@mie.utoronto.ca.