

# Technical Language Processing: Unlocking Maintenance Knowledge

## Journal Article

[Prof Melinda Hodkiewicz](#)

**Authors:** Michael P. Brundage, Thurston Sexton, Melinda Hodkiewicz, Alden Dima, Sarah Lukens  
2020-12-11

## Publication

### Manufacturing Letters

*Volume 27, January 2021, Pages 42-46*

ASME Journal of Manufacturing Science and Engineering, online December 2020.

## Quality Indicators

Peer Reviewed

Q1 Journal as rated in SJR

## Relevance to the Centre

Directly related to Theme 1 - Maintainers enter data relating to equipment inspections, diagnoses and corrective actions into their organization's Computerized Maintenance Management Systems (CMMS). Typical MWO health data contain (a) messy, unstructured raw text; and (b) inconsistent, incomplete, incorrect, or missing codes and data formats [1]. These data issues are ubiquitous throughout industry, so MWOs – rich with the health history of the asset – largely sit untouched and are seldom analyzed in a robust and reproducible way

DOI: 10.1016/j.mfglet.2020.11.001

[Link to Publication](#)