

Tips on ME 433 Technical Paper (~5 Pages summarizing findings from ~5 technical sources))

1. Focus paper around 2-3 personally interesting research questions

What are these questions (Are they formulated using the SMART guideline?)

- S – Specific
- M – Measurable
- A – Achievable
- R – Results Oriented
- T – Time Bound

What is the context for these questions? (Where do they apply?)

Why are these questions important? (How do they relate to one another?)

2. Ideas for Main Body

- System Descriptions (including assemblies and process diagrams)
- Explanation of Governing Equations (define nomenclature)
- Design of Experiments (equipment schematics and flowcharts)
- Analysis of Data (including tables and graphs from sources)
- Comparison & Discussion of Impact on Typical Performance Parameters

3. Conclusions & Recommendations

What was learned? Is this what you expected?

What interesting follow-on questions are suggested by your work?
(Frame these using the SMART guideline.)

4. References

- Include complete bibliographic data for each reference at end of paper
- Cite references appropriately in text
- Comment on contributions of each reference within text