

# How to write a Journal/Conference Paper: Or How to Present Technical Results

(Greg Grudic's sure fire recipe ☺)

When writing a technical paper, it is generally a good idea to start with a presentation. Once you have written a 30 to 50 minute presentation that you feel effectively motivates your results and presents them in a convincing, coherent manor, the process of writing the paper should be trivial - simply transcribe what you say in your presentation into a document!

Here is an outline for a successful presentation:

**Part 1:** Specify what problem (topic) is being addressed.

- **Why is the problem (topic) interesting!**

**Part 2:** What is the current state of the art of solutions? Or, how is the topic currently being addressed in the literature?

- **Why is the current literature inadequate?**

**Part 3:** What is the proposed solution?

- **What is the motivation?**
- **Why is it interesting?**

**Part 4:** Discussion.

- **How does the proposed solution compare with others?**
  - **In theory?**
  - **In practice?**
- **What are the weaknesses?**

**Part 5:** Conclusion.

- Summarize proposed solution and why it is interesting.
- Summarize weaknesses.
- Identify open questions.