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?
     o In theory?
     o In practice?
   • What are the weaknesses?

Part 5: Conclusion.
   • Summarize proposed solution and why it is interesting.
   • Summarize weaknesses.
   • Identify open questions.