

SUNFEST 2011

Writing Assignment Two and Information Searching

You have now written and revised a proposal. The second writing assignment is to write the Introduction/Background section(s) of your final paper. You'll be able to flesh out the Proposal you wrote for the first workshop and to use it as the framework for the Background/Introduction sections. To see an example of these sections, go to the sample final paper posted on the SUNFEST website:

Click [here](#) to see a sample report: Barlow, Gregory, *CMOS Active Pixel Sensor for a Polarization-Difference Camera*.

You'll note that the Introduction and Background sections of this paper include numerous citations of published work, and that these citations match items in the References list at the end of the paper. You'll need to cite *authoritative* previous work in your Introduction/Background section(s) as well. The word *authoritative* is important: You do not want to rely on information of questionable validity as you are setting the direction of your summer project. **The Information Retrieval and Evaluation Workshop (Thursday, June 16th, 2011 – check the SUNFEST calendar for latest dates)** will give you guidance and practice in finding and evaluating sources.

Introduction/Background Section, and List of References

Please use the resources and search techniques introduced in the Information-Searching and Evaluation of Sources Workshop to identify documents relevant to your project. Be sure to consider all these types of documents:

- Literature reviews
- Scholarly journal articles
- Conference papers
- Patents
- Books

It's a good idea to record the following information (in your lab notebook, or wherever you keep a record of research) about each document:

1. A full citation (author, article title, journal or website title, publication information if applicable, URL or DOI if applicable)
2. The name of the database where you found the document, if you want a record of that information
3. Why you selected this document (how you might use the document).

Example

Citation: [Record these in IEEE style now, to save yourself time later. Refworks or another citation-management tool will do this for you.]

Y. Lee, Y. Park, et al., Artificial neural network modeling of RF MEMS resonators, *INT J R. MICROW C E*, 14 (2004) 302-316.

Database: Compendex

Selection criteria:

- Abstract mentions FEM simulations (pertinent to my project).
- Peer-reviewed journal.

Reference List

Both in-text references to the documents and the reference list itself should follow the citation style of the SUNFEST Final Project.

See http://www.seas.upenn.edu/~sunfest/writing/SUNFEST_FinalReportFormat.pdf for this format.

SUMMARY: Writing Assignment 2: Introduction, Background, and Reference List

DUE DATE: Thursday, June 23rd, 2010 by noon.

SUBMISSION: Please create this in Word and email it to TCP Director Mary Westervelt (mwester@seas.upenn.edu). **NOTE:** You'll submit this to your advisor after Workshop Three, but you certainly might want to consult with your advisor regarding content as you prepare the first draft. Name the file as follow: LastNameFirstName_Sunfest1Intro

HELP WITH THIS ASSIGNMENT:

Finding and evaluating sources

Use the online guide:

<http://gethelp.library.upenn.edu/guides/engineering/sunfest/sunfest1.html>

If you need help finding background material for this assignment, **contact Doug McGee:**

Engineering Library - 217 Towne
dmcgee@seas.upenn.edu
215-898-8170
IM: PennEngSciDir

Writing the Introduction/Background sections: TCP Fellows may be available to work with you on your writing. For more about Fellows, see

<http://www.seas.upenn.edu/~tcp>

During the summer, contact Mary Westervelt to set up appointments with Fellows (not many of them are available during the summer months). For general questions about the writing, or about reference to other sources in your writing, contact Mary:

mwester@seas.upenn.edu
215-573-6486