**6.UAR: Preparation For Undergraduate Research (Spring 2017)**

**HW1: Preparation for paper draft**

**Due date: March 16, 2017, 4:00 PM**

**1. Features of a field-specific paper:** Using a journal article in your field, find the answers to these questions for the paper you need to write. **Post this homework on stellar and bring to workshop #2.**

1. Who is the audience of your paper? Field expert, broad technical audience, crossover?
2. What type of problem is solved in your field? Implementation, investigation, experimental?
3. How is the real world problem/area of inquiry presented? Motivation, implication, minimal or absent?
4. What subheaders are typical in your field publications? Generic, project-specific, etc?
5. What information is represented visually? Concepts, data, diagrams, photographs, screenshots?
6. How are figures labeled and captioned?
7. How is previous literature used? Where in the paper is it presented and what function does it serve? Is it motivating the problem, locating work in the field, justifying methods?
8. What kind of results are produced? Experimental data, prototypes, benchmarks?
9. What metrics are used in your field?
10. Where are methods presented in the paper, if any? How important is this section?
11. To ask your PI or mentor: Which information is assumed/unspoken in your field?

**2. Rhetorical moves in a field-specific paper:** Annotate a journal article in your field with the rhetorical moves, or functions, of each passage (you might see multiple moves in one paragraph). Identify where moves on the following list appear, or describe in your own words the functions you see in the article. **Bring the annotated article to workshop #2.**

Announcing the importance of the field

Giving overviews about the subject of the study

Indicating a gap; Raising a question

Comparing to previous work

Stating purpose of the study

Describing experimental procedures

Detailing equipment; Describing statistical procedures

Stating research questions

Justifying procedures or methodology

Articulating design choices

Justifying design priorities

Stating results or findings

Explaining the results; Stating limitations; Summarizing

Stating implications of results

Suggesting further research