

# Semantic Web Topics 2016

## Assignment 5: Readings on Nanopublications and Research Project Outline and Bidding

Assignment 4: 15 points of overall credit score

Due: October 6, 2016 (by midnight eastern standard time)

REMEMBER COLUMBUS DAY: Next class is TUESDAY of next week

Late submission policy: First time with valid reason - no penalty, otherwise 20% of score deducted each late day.

**NOTE: THIS IS A TWO-PART ASSIGNMENT.** The review must be submitted via email to BOTH Prof. McGuinness [d1m@cs.rpi.edu](mailto:d1m@cs.rpi.edu) AND Jim McCusker [mccusj2@rpi.edu](mailto:mccusj2@rpi.edu).

Please note the naming scheme – please use this scheme for all assignments.

It is:

<courseName>\_<Assignment number>\_<YourName>.<fileTypeExtension>.

Naming scheme: Sem2016-AssnNumber\_YOUR\_NAME.ext

(example Sem2016-1\_DeborahMcGuinness.doc)

Note: If you do your work in word or some straight text format, please submit in that over pdf –it makes adding notes easiest.

If possible give us a pointer to a google doc where the following people have WRITE access AND allow us to change access privileges.

Jim McCusker, [mccusker@gmail.com](mailto:mccusker@gmail.com) and [mccusj2@rpi.edu](mailto:mccusj2@rpi.edu)

Deborah McGuinness [d1m McGuinness@gmail.com](mailto:d1m McGuinness@gmail.com) and [d1m@cs.rpi.edu](mailto:d1m@cs.rpi.edu) ,

Sabbir Rashid [rashis2@rpi.edu](mailto:rashis2@rpi.edu)

**The outline** must be submitted to EasyChair as a PDF. Note - if you do not have an account on easychair, sign up for one. Please use the following link to submit to EasyChair:

<https://easychair.org/conferences/?conf=rpicsc6960>.

Compose a paper (up to 5 pages) that reviews and evaluates the assigned papers.

- What are the claims of each paper? 1 pt
- Are they justified? 1 pt
- How are they justified? 1 pt
- Are the claims grounded in the relevant research? 1 pt

- Do their references support the claims that the paper attributes to them? 1 pt
- Describe 2 common themes and also identify what may be contradictory view points - try to find at least 1 or 2 - 2 pts

Additional points for the overall assignment:

2 points writing quality/style

1 point for paper structure and flow

Each class 2 students will present material. You will be graded on the content of the material presented and your presentation itself.

Present the following as if the class has not yet read the paper

- The background and problem that the paper is attempting to address. 1 pt
- What are the results or claims of the paper (results)? 1 pt
- How were those results or claims justified (methods)? 1 pt
- What is the related work to this paper and how does it relate to the results reported here? 1 pt
- How do the themes in this paper relate to (how are they similar or dissimilar) to the themes in the other papers. 1 pt
- What did the paper do well that you didn't expect? What did they do poorly? **And why should our audience care about this work?** 1 pt
- 2 pts for presentation style (includes your presentation itself but also is there a final take home message from the presentation - might be why someone in the audience might care or what they might use) - total presentation grade 8 pts

Prepare for 10 minutes of speaking.

People who are not presenting will be graded on class participation. R

## Assigned Papers

1. Groth, Paul, Andrew Gibson, and Jan Velterop. "[The anatomy of a nanopublication](#)." Information Services & Use 30.1-2 (2010): 51-56.
2. Mons, Barend, Herman van Haagen, Christine Chichester, Johan T. den Dunnen, Gertjan van Ommen, Erik van Mulligen, Bharat Singh et al. "[The value of data](#)." Nature genetics 43, no. 4 (2011): 281-283.
3. McCusker, J. P., Lebo, T., Krauthammer, M., & McGuinness, D. L. (2013, July). "[Next generation cancer data discovery, access, and integration using prisms and nanopublications](#)." In International Conference on Data Integration in the Life Sciences (pp. 105-112). Springer Berlin Heidelberg.

4. Kuhn, Tobias, Paolo Emilio Barbano, Mate Levente Nagy, and Michael Krauthammer. "[Broadening the scope of nanopublications](#)." In Extended Semantic Web Conference, pp. 487-501. Springer Berlin Heidelberg, 2013.
5. One more paper that uses nanopublications for scientific research.

## Research Project Outline and Bidding (5 points)

Submit an outline of your research paper, with any suitable language ready to be added, to [EasyChair](#). Also, bid on at least one third of the papers submitted to EasyChair. You should have all received invitations as Program Committee (PC) members in your email (**This process is worth 1 of the points**).

Some guides to writing scientific abstracts. Note that these mostly focus on research articles, not survey articles:

- [How to write a good abstract for a scientific paper or conference presentation](#)
- [How to write a scientific abstract in six easy steps](#)
- [Steps to Write a Survey Paper](#)
- [Research Paper Outline Examples](#)