Talk on Journal of Physical Chemistry article Rybolt 2/26/2008

Topic

Select an experimental article (NOT Computational) that has appeared in the Journal of Physical Chemistry in the last 5 years. Your article should have a clearly described experiment that was done.

Length

6-7 minutes (less than 5 minutes is not acceptable, but I will stop you at 7 minutes)

Outline for talk

1) Tell us name of key author (first one in list) and their institution and then the main question the scientists/authors wanted to answer or new thing they wanted to do
2) Background - what is the context of their work and why of interest or importance
3) Experiment - describe what they did so we can understand
4) Results and Significance
   (If equations are presented, we need to see, so show us and show us key numbers in Table but not too many. Show us a few key Figures or diagrams)

Due to me

On day of talk give me:

a) copy of your Journal of Physical Chemistry article
b) detailed outline of your talk with main areas and points that you are going to make (do not write out talk word for word use outline format) should be no more than 2 pages

Visuals

For visual aids can use Doc Camera to project any images you wish – Science talks always use visuals - can have key points or numbers or apparatus design or figures. Best to use about half a page for image (about 4 inches high and 5 wide). Use 1 to 5 visuals but no more.
No PowerPoint presentations for this talk.

Understanding

Understand everything you are saying- *you* are the expert

Locating Articles

The *Journal of Physical Chemistry part A, B, and C* full text articles are available and are searchable on the ACS journals website that can be found by going to UTC Dept Website www.utc.edu/Academic/Chemistry/ then select ***Finding Chemical Information*** and then select ***American Chemical Society Journals*** and then select ***Journal of Physical Chemistry***. For topics start with search under title and abstract for key words.

The Journal of Physical Chemistry is really three journals divided as follows:
(A) Publishing research on dynamics; clusters, excited states; kinetics; spectroscopy; atmospheric, environmental and green chemistry; molecular structure; quantum chemistry; and general theory.

(B) Publishing research on macromolecules, soft matter, surfactants, membranes, statistical mechanics, thermodynamics, medium effects, and biophysical chemistry.

(C) Publishing research on nanoparticles, nanostructures, surfaces, interfaces, catalysis, electron transport, optical and electronic devices, hard matter, and energy conversion and storage.

The Day you select to give your talk determines the general topic Fill in below (No duplicate articles)

	Your First Last Name	Author last name	Year	Volume	Page range
3/31 Membranes or Biomolecular Applications					
1					
2					
3					
4					
5					
6					
4/2 Surfaces, Interfaces or Catalysis					
1					
2					
3					
4					
5					
6					
4/7 Energy Conversion or Solar Energy					
1					
2					
3					
4					
5					
6					
4/9 Optical or Electronic Devices					
1					
2					
3					
4					
5					
6					
4/14 Nanoparticles or Nanostructures					
1					
2					
3					
4					
5					
6					
4/16 Atmospheric or Environmental Chemistry					
1					
2					
3					
4					
5					
6					