

Summer Science Teacher Workshop

Learning with Light

UW Madison - Synchrotron Radiation Center
July 21-23, 2008

This workshop is offered by the Education and Outreach group at the Synchrotron Radiation Center (SRC). SRC is a national lightsource laboratory funded by the National Science Foundation and the UW-Madison. This workshop is designed to offer high school science teachers the opportunity to learn how light is used as a research tool, the science behind the research, and how to incorporate these ideas into the science classroom.

Participants will learn about the scientific research conducted at the facility, practice using a teaching resource developed by the lab which allows students to take data remotely over the internet, review the many educational resources offered by the laboratory, practice using light-related lessons developed at the lab for teachers, interact with teaching colleagues while sharing experiences, develop ideas offered during the workshop for their own teaching program, and gain experience with compact spectrometers that are available through our loan program.

Workshop Details:

- The workshop is intended for high school science teachers.
- A current Wisconsin high school physics and chemistry teacher will serve as one of the instructors at the workshop.
- This is a resident workshop, where participants stay at a dorm facility during the workshop.
- SRC is located about ten miles southeast of Madison between Stoughton and McFarland.
- One UW Madison credit is available (to be paid for by participant).
- The fee for the workshop is \$40.
- All meals, housing, handouts, and other materials are included in this fee.
- The workshop is limited to eight teachers.

Feedback from the 2007 workshop:

- "Excellent context, usable experiments, and ideas."
- "I can use a lot of the information especially on synchrotron radiation, spectroscopy, labs, and demonstrations."
- "A lot of the material can be incorporated into my curriculum."

For more information about the workshop or to apply please contact Chris Moore, SRC education and outreach coordinator at: cmoore@src.wisc.edu or (608) 877-2137. To learn more about SRC, visit www.src.wisc.edu.

REGISTRATION DEADLINE: JUNE 1, 2008

(Note: Because the workshop is limited to eight teachers, registration will close once the workshop is filled.)



Application Form
Learning with Light: Summer Teacher Workshop
UW-Madison Synchrotron Radiation Center

July 21-23, 2008

1) Name: _____

2) School: _____

3) Mailing Address: _____

4) Best Contact Phone Number (s): _____

5) Email (please print legibly): _____

6) List the courses that you teach and grade level:

7) Please list the light-related and/or astronomy topics you currently cover in your teaching:

8) Explain how you envision this workshop playing a role in your teaching and professional development:

9) What types of resources/outcomes would you hope to get from a workshop like this (that is, what would be your ideal workshop experience)?

10) Are you interested in taking the workshop for credit? yes no

11) How did you hear about this workshop? Mailing Website WSST Word of Mouth

**Please return the completed application and \$40 registration fee to the address below by June 1, 2008.
Checks can be made out to "Synchrotron Radiation Center -TW"**

Science Teacher Workshop
Synchrotron Radiation Center
3731 Schneider Dr.
Madison, WI 58589-3097

For more information contact Chris Moore at 608-8977-2137 or cmoore@src.wisc.edu.

[Learn about SRC at: http://www.src.wisc.edu/](http://www.src.wisc.edu/)

