

High School Physics Teachers

Summer Physics Education Research Position

The Department of Physics is offering a summer research position for a high school teacher as part of the National Science Foundation's Research Experiences for Teachers (RET) program. This effort is intended to enhance high school physics education by allowing teachers to develop new techniques for engaging students, new lab experiments and lecture demonstrations, or other pedagogical components, or to allow participation in current physics research at Purdue. The RET program will be run in conjunction with the NSF Research Experiences for Undergraduates (REU) program at Purdue.

Project Duration: up to ten weeks in Summer
(beginning in the last week of May or later)

Stipend: \$1300 per week for up to eight weeks

Other support: Housing allowance (if not in commuting distance)
Travel allowance

We seek proposals from highly motivated individuals for this position.

Send a one-page proposal and a brief resume to Professor Sergei Savikhin by email sergei@physics.purdue.edu (preferred), or FAX 765-494-0706. Please call (765-494-3017) to discuss specific issues.

Applications should be submitted by April 25, but will be accepted until the positions are filled.

Among the concepts that might be part of a successful proposal are:

- Participate in a forefront research program with a Purdue faculty member. (Applicant should identify the research and make contact with the relevant faculty member in advance.)
- Develop investigative methods for an improved physics curriculum, increasing the student-centered inquiry aspect of physics learning.
- Develop new labs or demonstrations that bring modern physics into the classroom.
- Survey physics labs and demonstrations used at Purdue and other universities, and adapt them for use in the high school classroom.

We encourage innovative proposals that would leverage the unique resources of Purdue University to enhance the teaching of high school physics.