

Wisconsin STEM Educator Solar Institute Application - Summer 2017

Tuesday, July 25 - Thursday, July 27, 2017

Madison Area Technical College

2125 Commercial Avenue, Madison, WI 53704

For more information about the institute, go to: www.CreateEnergy.org

*** Required**

1. Your email address *

(must be a valid email address)

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Institute Objectives and Selection Criteria

Selection is based on how well participants will be able to fulfill these Institute Objectives:

1. Participants will become familiar with solar photovoltaic technology by working with PV technology and installing a PV system.
2. From their Institute laboratory experiences, participants will develop at least one solar PV laboratory lesson for use in their classroom during the 2017-18 school year.
3. Following the Institute, participants will provide meaningful feedback on their experiences teaching solar PV concepts and lessons from ideas and materials developed at the Institute.
4. While at the Institute, participants will discuss and share their unique previous experiences in teaching about energy, renewable energy, and solar photovoltaic energy.
5. Participants will develop supportive educational relationships among participants with whom they share similar educational circumstances or interests.

Team Applications

In order to facilitate Institute Objective #5 (see above), preference will be given to individuals applying as members of a faculty team.

2. Are you applying as part of a faculty team? *

Mark only one oval.

Yes

No

3. If you are part of a faculty team, please enter the name(s) of your teammates

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Contact Information

4. First Name *

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5. Residential Street Address *

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6. City *

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7. Zip Code *

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8. Preferred phone number *

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9. Alternate phone number *

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10. Preferred email address *

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11. School Name *

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12. School Street Address *

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13. School City *

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14. **School Zip Code ***

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15. **School Principal's Name ***

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16. **What percentage of your school's students receive free or reduced cost lunch? ***

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Your Education

17. **Institution(s) ***

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18. **Field(s) of Study ***

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19. **Degree(s) ***

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Your Teaching Background

20. **Current School ***

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21. Courses and Grade Levels Taught *

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22. Years of Teaching Experience *

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Fulfilling Institute Objectives

23. Consider the Institute objectives above. In a short paragraph or two, please describe attributes you possess or situations that are unique to your teaching circumstances that distinguish you to participate in this Institute. *

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24. Consider Institute objective #2. In a short paragraph, please describe your motivation(s) to incorporate one or more laboratory lessons from the Solar Institute in a class that you will teach in the upcoming school year. In your response, please discuss: i) Which class? ii) With what you currently know, how do you plan to do it? iii) What additional support(s) [people, materials, monetary, etc.] are available to help you accomplish your goal? *

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25. Please describe any other teaching, work experience, research, or school / community involvement you have had with energy or renewable energy-related topics. In a short paragraph, explain how your experience distinguishes you to participate in this Institute.*

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Accessibility

PLEASE NOTE: The STEM Educator Solar Institute includes training and activities that will take place outdoors. Participants should expect to work outside, in hot and sunny conditions that will include working on simulated rooftop environments. Individuals with limitations that might prevent them from participating in such activities, may wish to consult with a physician to determine the appropriateness of this Institute for their given physical condition. Please contact us if you have questions about the nature of the activities and if you may need accommodations.

26. Will you require any accommodations to participate in workshop activities? (Your answer to this question will not affect your acceptance to this program. It will help us to make sure you get the most from this professional development activity.)

Mark only one oval.

- Yes
- No
- Maybe
- Other:

Course Credit, etc.

The Solar Institute is made possible in part by the Colorado School of Mines Teacher Enhancement Program. This course carries one graduate-level, re-licensure semester hour of credit, and is specifically designed for teachers who already hold an undergraduate degree. The credit is applicable to re-licensure and school district pay raises in the State of Colorado and is generally accepted elsewhere. The credits are not applicable to a degree program at the School of Mines. Whether or not the course work is applicable to a degree program at another educational institution is entirely up to the discretion of that institution. You may earn one graduate credit through the School of Mines upon completion of the Solar Institute. The tuition cost is estimated to be \$60, and must be paid by the student with a personal check or money order at the time of the academy.

27. Are you interested in registering for credit?

Mark only one oval.

- Yes
- No
- Other:

28. Do you have any dietary restrictions? *

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29. Will you need lodging in Madison for the Institute?*Mark only one oval.*

- Yes
- No
- Maybe

Equal Educational Opportunity

Madison College endorses the principle of equal educational and employment opportunities for all people, regardless of race, color, sex, religion, ancestry, national origin, sexual orientation, age or non-job related handicap or disability. Furthermore, Madison College does not discriminate on the basis of race, color, sex, religion, ancestry, national origin, sexual orientation, age or non-job related handicap or disability in the educational programs or activities it operates.

The following information is collected for demographic reporting purposes only. Your response to these questions are optional, and will not impact your selection to this program. This information will help us with reporting to our grant funding sources.

30. Gender*Mark only one oval.*

- Male
- Female
- Prefer not to say
- Other:

31. Race*Mark only one oval.*

- African American
- American Indian or Alaskan Native
- Asian or Pacific Islander
- Hispanic
- White
- Other:

Applicant Signature**32. Signature (please type your full legal name)**

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33. Date *

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Example: December 15, 2012

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