

Engineering Clinics for Teachers Nomination Form

Teacher's Acceptance

I will participate in the July 10th-14th workshop and the two follow-up workshops in Fall 2011 and Spring 2012. I also understand that meals are provided, overnight rooms are available and will accept the \$650 honorarium, paid in increments, to defray my travel costs for all three activities.

Teacher's Name (Please Print)

Teacher's Signature

Date

Principal's Name (Please Print)

Principal's Acknowledgement

Date



**A Partnership Between the
Rowan University Colleges of**

- Engineering
- Education
- Graduate & Continuing Education

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Engineering Clinics for Teachers



*sponsored by the
Edison Venture Fund*

www.edisonventure.com



Engineering Clinics for Teachers

Sunday, July 10, 2011
Through Thursday, July 14, 2011

Registration deadline:
April 20, 2011

Rowan
University
College of Graduate
& Continuing Education



Overview

Science, mathematics, and engineering are essential to solve complex problems that face our society today and in the future. Enhanced engineering education in our K-12 classrooms can provide students at an earlier age with a more specific understanding of engineering applications and career preparations.

We must encourage teachers to assume a more active role in the implementation/delivery of engineering education experiences as well as in the innovation and continuous improvement necessary for engineering education.

The Rowan University Engineering Clinic for Teachers (ECT) was designed with this goal in mind. ECT is a week-long seminar offered through a collaboration between the Colleges of Engineering and Education that utilizes problem-based learning projects and innovative measures.

Objectives

- Demonstrate to teachers how to implement and deliver engineering educational experiences.

- Ensure that teachers are academically prepared to successfully integrate engineering content into their existing curriculum.

- Provide participants with an understanding of what a technical career entails that can be conveyed to their students.



Features

- Participants will work with Rowan's renowned College of Engineering faculty on experiments that can be duplicated with their students
- Free on-campus housing available
- Planned recreational activities
- Meals provided as well as access to Rowan University's Recreation Center
- Materials and transportation provided for field trip
- A certificate for 28 professional development hours will be awarded upon completion of the ECT
- A \$650 stipend, paid in increments, is available for those who participate in each summer session and the two follow-up workshops

Agenda

Sunday, July 10

Orientation Dinner
Check-in for those residing on campus

Monday, July 11

Opening Ceremony

Session:
Session:

"Bridges"
"Chemicals"

Tuesday, July 12

Session:
Session:

"Robots"
"Energy"

Wednesday, July 13

Field trip to Atlantic County
Utilities Authority's Wind Farm and
Wastewater Treatment Facility

Thursday, July 14

Program recap

Presentations and
demonstrations

Closing ceremony &
certificate distribution

Engineering Clinics for Teachers Registration Form

Clinics recommended for math, science, and technology teachers. Guidance counselors, social sciences, and language arts teachers are also encouraged to apply.

Please return completed registration and nomination (reverse side) form by Wednesday, April 20, 2011.

A confirmation letter and detailed program information, including housing arrangements, will be forwarded on May 20, 2011.

NAME

ADDRESS

CITY

STATE

ZIP

HOME PHONE

CELL PHONE

E-MAIL

SCHOOL

DISTRICT

GRADE

SUBJECT AREA

- I am interested in the optional residential component.

Use any of these convenient methods to return your completed registration/nomination form.

Fax: 856-256-5607

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Questions: Please call 856-256-4715