



## Tesla TechFair Call for Proposals

Thayer School of Engineering and the Hopkins Center are celebrating Nikola Tesla, in conjunction with *Tesla in New York*, an opera by filmmaker Jim Jarmusch & composer Phil Kline. Thayer will host a Tesla TechFair, including a panel discussion and demonstrations, on **Thursday, April 4, 2013, 4:00-6:00 PM**.

Dartmouth students are invited to build and/or demonstrate a Tesla-related technology—something he developed, invented, pioneered, or patented, or the modern application thereof. The demonstration should be interesting to engineers and non-engineers alike. Think remote control helicopters, Tesla coils, wireless chargers and death rays (just kidding: don't kill anyone).

Selected proposals will receive up to \$500 for materials and supplies.

Accepted projects will be exhibited following the panel on April 4; students must be available to attend the TechFair and present their project to the public.

**Proposal Deadline:** Friday, March 8

Submit Proposals to: [Kimberly.Cooper@dartmouth.edu](mailto:Kimberly.Cooper@dartmouth.edu)

**Notification:** Friday, March 15

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### Need Inspiration?

Here's a selection of Tesla inventions and their modern applications:

- AC power systems: the basis of the power grid
- Induction motors: the electric motor used in everything from household appliances to giant industrial machines. And in the Tesla Roadster.
- Radio remote control: uses range from garage doors to toy cars
- Radio data transmission: Wi-Fi, 3G, and everything else
- Wireless power transmission: Sounds like a fantasy but you can now wirelessly charge a cell phone or an industrial robot.
- Tesla coils. Application? Tesla coils eat applications for breakfast.

For more ideas, visit: <http://tinyurl.com/tesla-fair>

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### Tesla TechFair (Panel and Demonstrations)

Thu | Apr 4 | 4:00-6:00 PM | Spanos Auditorium/Great Hall, Thayer | Free

Discover how Nikola Tesla's inventions are leaving their mark on modern society. Panel discussion with Thayer Associate Professor of Engineering Charles Sullivan; David Perreault, MIT Department of Electrical Engineering; and Bernard Carlson, UVA Department of History, author of *Tesla: Inventor of the Electrical Age*. Reception and student demonstrations of Tesla technology to follow. *Co-sponsored by the Hopkins Center for the Arts and Thayer School of Engineering; supported by the Office of the President and the Office of the Provost as part of Dartmouth's Year of the Arts initiative.*

Programmed in conjunction with ***Tesla in New York***, an opera by filmmaker Jim Jarmusch & composer Phil Kline (*In-Progress Concert Version*) FRI & SAT | APR 5 & 6 | 8 PM | THE MOORE THEATER

# Tesla TechFair Proposal

**DEADLINE: Friday, March 8**

Primary Contact Name:

Year:

Major:

Name & Year of additional student(s) involved:

Title of project:

Project description, including relationship to Tesla-related technology (use additional paper if necessary):

Installation/Set-up requirements:

Materials/Budget:

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THAYER SCHOOL OF  
ENGINEERING  
AT DARTMOUTH

