

**Illinois Institute of Technology
Electric Power and Power Electronics Center (EPPEC)
Electrical and Computer engineering Department (ECE)**

**Summer Engineering Research Experiences in Hybrid Electric and Plug-In Hybrid Electric
Vehicles for Undergraduates
Application Form
Due: April 15, 2009**

1. Personal information

Name: _____

Current academic level: _____

Major: _____

University: _____

Home Address: _____

Phone: _____ Email Address: _____

Gender: Male Female

Ethnicity: American Indian/Alaskan Native Asian/Pacific Islander
 Black, non-Hispanic Hispanic
 White, non-Hispanic Other: _____

Citizenship: United States U.S. Permanent Resident
 Student Visa None of these

Disability: Yes No
If yes, please specify: _____

2. Academic Information: (a resume can be attached in place of this section)

List all colleges and universities you have attended (start with the most recent):

Name	Location (city, state)	Dates of attendance	Major	Degree granted	GPA

Honors/Awards:**Activities/Organizations:****Employment History:****3. References**

List the two people providing your letters of recommendation. Preferably, one person should be selected who can talk about your academic abilities (i.e. a professor, academic advisor) and the other should be able to talk about your work ethic (i.e. employment supervisor, advisor to a student group you are involved in, research advisor, coach).

Name	Title	University/Affiliation	Phone	e-mail

4. Essays:

Please attach two essays to the application form. The essays should be no longer than one page in length, single spaced, and font no less than 10 pt.

1) Explain why you are interested in this specific REU experience and how it will benefit your future career plans.

2) Describe any research experience you have. If you have not performed research previously, explain why you are interested in gaining this experience. A lack of research experience will not be considered a negative for the applicant.

5. Potential Projects

Below is a list of projects that will be offered during the summer. Please rank the top five projects that you would be interested in from the list (with 1 being the one you are most interested in).

<u>Project:</u>	<u>Rank</u>
Integrated Starter/Alternator-Motor Drive for Automotive Applications	
Hybrid Electric Vehicle (HEV) Conversion	
Plug-In Hybrid Electric Vehicles (PHEV)	
Mechanical, hydraulic, pneumatic, and thermal systems for Advanced Automotive Systems	
Energy Storage systems for HEVs	
Integrated Ac/Dc Rectifier/Charger for PHEVs	
Power Electronic Interfaces for Grid connection or PHEVs	

The following items are required. The application will not be considered until all items are received. These items are due by **April 15, 2009**. Students will be notified of decisions by May 05, 2009.

- Completed application form (4 pages including this one)
- Two essays
- Official undergraduate transcript
- Two letters of reference

The completed application, essays, transcripts and recommendation letters should be mailed to:

Alireza Khaligh, Ph.D.
Summer Hybrid Electric and Plug-In Hybrid Electric Vehicles REU Program
Department of Electrical and Computer Engineering
Siegel Hall
3301 South Dearborn Street
Chicago, IL 60616
khaligh@ece.iit.edu

The forms and references can also be e-mailed to khaligh@ece.iit.edu.

If you need assistance with the application process, please feel free to contact Dr. Alireza Khaligh at khaligh@ece.iit.edu.

I hereby certify that all the above information is complete and accurate to the best of my knowledge.

Signature _____ Date: _____