



## NIU—ENHANCING ENGINEERING PATHWAYS (NIU-EEP) INTEGRATED OUTREACH AND MENTORING PROGRAMS PRESENTS

### 12 Saturday Engineering Workshops (SEW) & Summer Camp For Girl Scouts in grades 5 - 8 to Explore Engineering!!

Into its tenth year and geared for Girl Scouts in grades 5 - 8, these workshops challenge participants to sharpen their math, science and technology skills as they discover engineering! Girls will work in small groups assisted by women faculty from NIU, female engineering undergraduates and high school mentors on various engineering projects ranging from building simple electrical circuits to create sound, motion and light to bridge-building to experiencing chemical engineering and lean simulation. Teaming up Girl Scout Cadettes, Seniors, and Ambassadors, engineering undergraduates, graduates and women engineers from the academic and corporate world through hand-on activities and an interactive web will provide a wonderful mentoring community to foster the development of the next generation of scientists and engineers!! Girls will also participate in one STEM expo, of their choosing, outside of the 12 SEW and Summer Camp. Examples of outside STEM expos include school science fairs, science nights, STEM fest or library fairs focusing on STEM.

#### WHO?

Girl Scouts in grades 5, 6, 7 and 8

#### WHEN?

Nov. 18, Dec. 2 & 9, Feb. 3, 10 & 24 (3 hr workshop), March 3 & 17 (3 hr workshops),  
April 7 & 21(3 hr workshops), May 5 & 12 (3 hr workshops)  
Time: 8:00 to 10:00 A.M.

Summer Camp will be held June 11-15, 2018.

**Selection** for the Beginner's Level will be made based on grades obtained during the last quarter and a recommendation letter from the participant's math, science, or technology teacher, which needs to be turned in with the application.

You will be notified of your acceptance by NIU by November 9<sup>th</sup>, 2017.

#### WHERE?

Northern Illinois University Naperville Campus, Diehl Rd., Naperville, IL

#### COST?

\$265 per registered Girl Scout/\$290\* per girl for non-registered Girl Scouts  
\*includes \$25 GSUSA registration fee

Additional Summer Camp costs for T-shirts and field trips (~\$100) will be required at a later date.

*A few NIU scholarships are available for students who are enrolled in the free and reduced lunch programs at their schools.*

Program cost includes all workshops & EEP summer camp

#### RECEIVE

SWE Event Patch

**Application/Registration forms available in "Forms and Document" section at [www.girlscoutsni.org](http://www.girlscoutsni.org)**

**Program application, letter of recommendation, and copy of last quarter report card due to  
Dr. Suma Rajashankar, EB 330 Garden Road, College of Engineering and Engineering Technology,  
Northern Illinois University, DeKalb, IL 60115**

**by Wednesday, November 08<sup>th</sup>, 2017 (Extended Deadline)!**

**Mandatory orientation for participant & parent**

**November 11, 2017, from 9 to 11 A.M. @ NIU Naperville Campus**

Check out [www.niu.edu/ceet/enhancing-engineering-pathways/](http://www.niu.edu/ceet/enhancing-engineering-pathways/) for more information on the SEW program

**Registration questions:** Contact Rose Coughlen @ (312) 912-6309, or [R.Coughlen@girlscoutsgcnwi.onmicrosoft.com](mailto:R.Coughlen@girlscoutsgcnwi.onmicrosoft.com)

**Program questions:** Contact Dr. Suma Rajashankar @ 815-753-9966 or [niu.eep@gmail.com](mailto:niu.eep@gmail.com)

**Summer Camp will be held June 11-15, 2018**

*More information regarding summer camp will be sent via email during the month of April 2018.*

Northern Illinois University – Enhancing Engineering Pathways  
Engineering Opportunities for Girl Scouts in Grades 5 - 8  
through Saturday Engineering Workshops  
<http://www.niu.edu/ceet/enhancing-engineering-pathways/>



Funded by Motorola Solutions Foundation



**APPLICATION FORM**

(Submit a separate form for each participant.)

**Application due: Wednesday, November 08<sup>th</sup>, 2017 (Extended Deadline)**

**Mail or deliver this form along with sealed letter of recommendation from a math, science, or technology teacher, and a copy of applicant's last quarter report card **no later than Wednesday, November 08<sup>th</sup>, 2017** to:  
**Dr. Suma Rajashankar, EB 330 Garden Road, College of Engineering and Engineering Technology,  
Northern Illinois University, DeKalb, IL 60115****

**NIU will notify applicants of their acceptance by November 9<sup>th</sup>, 2017**

**PLEASE PRINT**

Name: First \_\_\_\_\_ Last \_\_\_\_\_ Middle \_\_\_\_\_

Grade \_\_\_\_\_ School name \_\_\_\_\_ District \_\_\_\_\_

Parent/Guardian name(s) \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_

Day phone (\_\_\_\_) \_\_\_\_\_ Evening phone (\_\_\_\_) \_\_\_\_\_

E-mail (list alternate emails too) \_\_\_\_\_

List the honors or advanced courses you have been enrolled in \_\_\_\_\_

\_\_\_\_\_

Are you enrolled in any special engineering or science curriculum? If Yes, list them. \_\_\_\_\_

\_\_\_\_\_

Do you like studying math and science? If yes, why? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

When you go to college, do you think you will pursue a career in an engineering-related field? Yes No Don't know

If yes, to the above question, then explain why you would like to become an engineer? What is it that interests you? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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Briefly share why you are interested in participating in the NIU – EEP Saturday Engineering workshops. Also, how do you think you will benefit from taking part in this program? \_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

Parent/Guardian Signature

Applicant's Signature