

THE UNIVERSITY OF PUERTO RICO AT MAYAGUEZ

The University of Puerto Rico at Mayaguez is a Land Grant, Sea Grant, and Space Grant University founded in 1911.

At present, the campus population is composed of 1,066 professors, 1,931 employees and 13,221 students. With over 4,498 engineering students, we rank 14th in the nation in undergraduate engineering enrollment of women, and 25th in awarded B.S. degrees. Ours is one of the largest Hispanic engineering schools



in the United States. The UPRM is fully accredited by the Council of Higher Education of Puerto Rico. It holds membership in the Middle State Commission on Higher Education since 1946 and member of the Association of Hispanic American Universities. All our academic programs are accredited by professional entities such as *The American Chemical Society, The National League of Nursing, and Accreditation Board of Engineering and Technology (ABET).*



MEMBERS 2017



Contact Information

For more information about the Industrial Affiliates Program or how to become a member, please contact:

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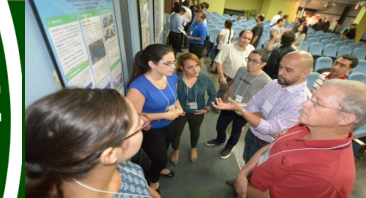
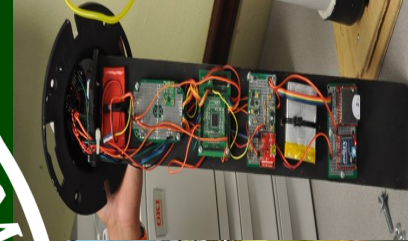
Website: <http://www.ece.uprm.edu/~iap>



uprm.edu
universidad de puerto rico
Recinto Universitario de Mayagüez



Electrical & Computer Engineering Department



IAP AT A GLANCE



The **Industrial Affiliates Program** (IAP) is an innovative model of active learning that addresses today's pressing need to blend theory with practice, education with work, and academic scientific rigor with industry's fast pace. Founded in 1988 by the ECE department, the program is fully sponsored by corporations which work jointly with faculty at UPRM.

STUDENT BENEFITS

Participating students expand the horizons of their formal academic studies through applied educational activities and exposure to new technologies. They test their capacity to work independently and interdependently at solving real problems and presenting their solutions to the public. In the process they develop crucial skills including critical and creative thinking, teamwork, communication, organizational and experimentation skills, making them more competitive for their professional life.

INDUSTRY MEMBER BENEFITS

- ◆ Access to students trained with Industry specific skills not acquired in a typical classroom setting.
- ◆ Enhanced interview process in which the company gets to know candidates for a whole year before interviews.
- ◆ Companies acquire enhanced visibility within the student population at large.
- ◆ Companies get easier access to faculty with compatible interests and early access to student resumes.

PROGRAM LOGISTICS

Proposals are submitted annually by faculty and company representatives. Selected projects receive founding of up to \$5,000. Participating students are responsible for carrying out their projects under the guidance of professors.



IAP holds two meetings a year: poster presentations during the Fall Meeting and oral reports during the Spring Annual Conference. For the students this is a great opportunity to present their work to industry representatives, faculty, and to other students.

During its twenty-five years of existence IAP has had over 800 participating undergraduate students and obtained, as a result of the projects, donations for ECE department in excess of \$200,000 in equipment and \$750,000 in cash.

ABOUT THE ECE DEPARTMENT

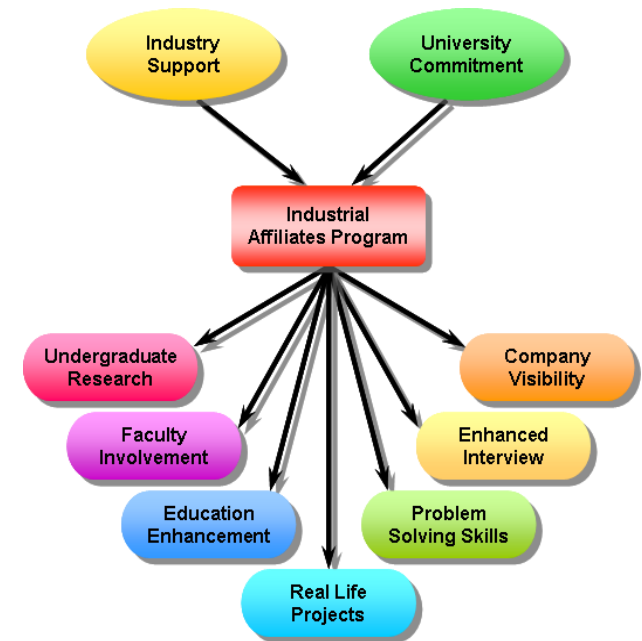
The Department of Electrical Engineering was founded in 1928, while the Computer Engineering Program (CpE) was added in 1981. The bachelor's degree is a five year, 168 credit-hour program. There are five areas of emphasis within EE: Control, Electronics, Power & Energy, Applied Electromagnetic, and Communications. The CpE program has three areas of concentration: Hardware & Embedded Systems, Computing Systems & Software, and Communication & Digital Signal Processing. In the last year, 105 new electrical engineers and 59 new computer engineers graduated from our programs.

Admission into the Electrical and Computer Engineering Department is one of the most competitive

within the entire University of Puerto Rico system. Our students approved their College Board examination with average scores of 644 verbal and 716 math, and a high school GPA of 3.76. These tight requirements account for excellence in their academic and professional achievements.

The engineering programs at UPRM graduate approximately 600 students per year. The engineering college has in its program an average enrollment of 35.4% of female students, one of the largest in the U.S., according to the American Society for Engineering Education statistics. The program ranks fifth in percentage of degrees awarded to women and sixth in B.S. degrees granted to women. In addition, we are the largest source of Hispanic engineering graduates in the nation.

For more information on current statics can be found in: oiip.uprm.edu and www.asee.org.



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