

20 August 2008

CIESE hosts 2nd year of Build IT summer program at Stevens

Public school teachers and students receive hands-on training in science, engineering and information technology

HOBOKEN, N.J. — Stevens Institute of Technology's Center for Innovation in Engineering and Science Education (CIESE) hosted the second year of Build IT, a three-year summer institute for public school students and teachers. The program's objective is to motivate students from underrepresented groups to pursue careers in science, engineering and information technology.

At Build IT, students are put into teams and learn to design, construct, program and test remote-operated vehicles and then perform challenges with their robots in an underwater environment. The primary materials used for Build IT projects come from the LEGO Mindstorms and LEGO robotics kits and include the well-known LEGO bricks, connectors, gears and rods, as well as advanced microcontrollers, sensors and communication technologies which are new to most Build IT participants. Through Build IT, students test their understanding of abstract concepts such as buoyancy and electricity and gain knowledge and skills in science, engineering and information technology.

In addition to providing discovery-based learning for teachers and students, the project also fosters science, engineering and IT career awareness among guidance counselors, administrators and parents. Build IT will carry out two professional development days during the 2008-2009 school year as well as an IT Symposium for guidance counselors, teachers and students.

For more information, please contact Beth McGrath at Elisabeth.McGrath@stevens.edu.

About Stevens Institute of Technology

Founded in 1870, Stevens Institute of Technology is one of the leading technological universities in the world dedicated to learning and research. Through its broad-based curricula, nurturing of creative inventiveness, and cross disciplinary research, the Institute is at the forefront of global challenges in engineering, science, and technology management. Partnerships and collaboration between, and among, business, industry, government and other universities contribute to the enriched environment of the Institute. A new model for technology commercialization in academe, known as Technogenesis®, involves external partners in launching business enterprises to create broad opportunities and shared value.

Stevens offers baccalaureates, master's and doctoral degrees in engineering, science, computer science and management, in addition to a baccalaureate degree in the humanities and liberal arts, and in business and technology. The university has a total enrollment of 2,040 undergraduate and 3,085 graduate students, and a worldwide online enrollment of 2,250, with a full-time tenured/tenure-track faculty of 140 and more than 200 full-time special faculty. Stevens' graduate programs have attracted international participation from China, India, Southeast Asia, Europe and Latin America. Additional information may be obtained from its web page at www.stevens.edu.

For the latest news about Stevens, please visit StevensNewsService.com.

Contact: Patrick A. Berzinski, +1-201-216-5687, Patrick.Berzinski@stevens.edu
Stevens Institute of Technology, Castle Point on Hudson, Hoboken NJ 07030-5991 USA +1.201.216.5000

©1998-2007 Stevens Institute of Technology. All rights reserved.
This page was last updated 20 August 2008.