



COMPUTER SCIENCE DEPARTMENT

KEAN UNIVERSITY (908) 737-3800

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Wireless Sensor Network (WINS) undergraduate research team members in Kean's Network Laboratory (left to right): **Ryan Suleski** (CS '10), **Justin Czarnik**, (CS '09), **Nick Doell** (CS '09), and, **Jhon Espin** (CS '09), with one of the Crossbow sensors they used for a wireless network research effort.

This team has worked to implement a wireless sensor network on Kean University's campus. The sensor network is used for environmental monitoring and provides real-time information, accessible via the web.

A poster presentation, "Implementation and Assessment of a Wireless Network for Environmental Sensing", outlining the results of the six-month research project, will be displayed on March 25, 2009, at Kean University's campus-wide Annual Research Day in Downs Hall.

News

Justin Czarnik (CS '09), **Nick Doell** (CS '09), and **Ryan Sulesk** (CS '10), attended Supercomputing '08 in Austin, Texas Nov. 15-21 with Dr. Chang, Department Chair.

Marvin Andujar (CS '11) recognized for research presentation.

Ryan Suleski, a Computer Science undergraduate wins national award.

Swetha Medicherla (CS '10), **Avani Patel** (CS '10), and **Elizabeth Torres** (CS '10), as well as **Frank Kendall** (Math '10), **Christopher Osmulski** (Math '10), **Alex Krause** (NJCSTME '10), and **Omar Padron** (NJCSTME '10) represented Kean University in the annual ACM Regional Programming Contest.

Students attend Supercomputer 2008

Kean University's Computer Science Department was represented by both faculty and students at the International Conference on High-Performance Computing and Networking held in Austin, Texas in November.

Dr. George Chang arranged for the Kean students to participate in a programming contest and mingle with attendees from industry and academia. Michael Dell, of Dell Computers, gave the conference keynote speech. This was the third year that

Kean University faculty have arranged for students to attend as volunteers and scholarship attendees. *SC '09* will be held Nov. 14-20 in Portland, Oregon.

ACM Regional Programming Contest



Elizabeth Torres (CS '10), **Avani Patel** (CS '10), and **Swetha Medicherla** (CS '10) in Hennings Hall with the ACM Programming Contest plaque listing their names as participants in the 2008 ACM Contest.

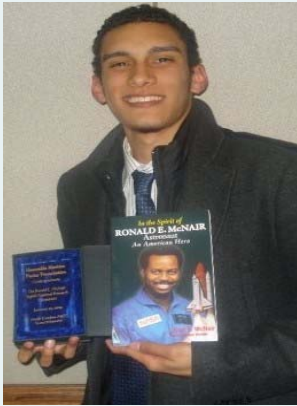
ACM Regional Programming Contest

Sponsored by IBM, the Greater New York Region held the annual regional qualifying contest on October 26, 2008 at St. Joseph's College in Patchogue, NY. **Professor Lee Wittenberg** and three student teams from Kean participated.

Participants and teams are annually listed on a plaque in the department hall. Is your name there?

<http://www.kean.edu/~compsci>

Ryan Suleski Recognized for Undergraduate Research



Ryan M. Suleski (CS '10), a junior from South Plainfield, NJ was recognized for his outstanding undergraduate research by the *Dr. Robert M. Panoff Computational Science Student Award* at IEEE Supercomputing 2008, held Austin, TX in November.

Ryan was nominated for his work on the design and

implementation of a wireless network for environmental sensing. Work on this project began during Summer 2008 as part of Kean University's Students Partnering with Faculty (*SpF*) Program and has continued.

With his faculty advisor, **Dr. Patricia Morreale**, Ryan has co-authored two publications.



Marvin Andujar (CS '11), a McNair Scholar, received an award for outstanding research presentation at the 8th National Research Conference, January 30, 2009 in North Carolina.

Enrollment News:

2.5 Million New U.S. Computer Science and Information Technology Workers Needed by 2011 – the peak year for Baby Boomer retirements!

Information Technology Program Established

The Department of Computer Science at Kean University has expanded its degree offerings to include a new **B.S. in Information Technology**. This degree program, recently approved by the University, joins the established **B.S. degrees in Computer Science and Computer Science with and Information Systems Option**. The CS degree prepares students for employment and future education in CS. The Computer Science degree with Information Systems

option provides students with a foundation in Business and Finance, while the Information Technology degree emphasizes networking and web technologies, including web-client programming and database systems design.

All degrees include Senior Projects, a capstone effort that permits students to work projects in a team environment immediately prior to graduation.

Check it out at our website!

RESUME BOOK SENT OUT TO INDUSTRY IN DECEMBER 2008

Students prepared resumes and submitted them to the Department of Computer Science in November 2008 for inclusion in the CS Department's **Internship Students and Graduating Seniors** resume 'books'. With student consent, these books are shared with prospective employers who have worked with the department faculty or have visited Kean University to recruit graduates.

Interviewing is underway and we wish all our students the very best as they prepare for the future!

New Information Technology courses being offered include:

Virtual Reality during Fall 2009 and

Computer Animation during Spring 2010

<http://www.kean.edu/~compsci>