The Holcombe Department of Electrical and Computer Engineering is pleased to announce the honorees of the W. M. Riggs Outstanding Senior awards for 2011. The selection criteria for this award are based on outstanding academic achievement and qualities of character and leadership. The award recipients for this year are:

- **Jarod Stokes**
- **Linda Mosby**
- **Karan Sapra**
- **Tristan Novak**
- **Landy Youkhana**

The W. M. Riggs Outstanding Senior award is named in honor of W. M. Riggs, founder of Scientific Research Corporation of America, a leading manufacturer of advanced electronic products and related services. The company is headquartered in Atlanta, Georgia, and provides a wide variety of national defense and global electronic services to its customers worldwide.

The W. M. Riggs Outstanding Senior award is given annually to a student who has demonstrated excellence in academics and leadership. The award is sponsored by the Scientific Research Corporation of America and is presented in recognition of the student's outstanding contributions to the field of electrical and computer engineering.

The selection committee for the W. M. Riggs Outstanding Senior award is comprised of the department's faculty members, who evaluate the students based on a variety of criteria, including academic performance, leadership abilities, and contributions to the engineering community.

The W. M. Riggs Outstanding Senior award is one of the many awards and recognitions given by the Holcombe Department of Electrical and Computer Engineering. The department is committed to recognizing the achievements and contributions of its students and alumni in the field of electrical and computer engineering.

The Holcombe Department of Electrical and Computer Engineering is proud to announce the recipients of the 2011 Holcombe Department Undergraduate Awards. The awards are given annually to students who have demonstrated excellence in academics and leadership. The awards are sponsored by the Holcombe Department of Electrical and Computer Engineering and are presented in recognition of the student's outstanding contributions to the field of electrical and computer engineering.

The recipients of the 2011 Holcombe Department Undergraduate Awards are:

- **ECE Outstanding Junior** - Won Jin (Electrical Engineering)
- **ECE Outstanding Sophomore** - Ajay Gajbhiye (Electrical Engineering)
- **ECE Outstanding Freshman** - Emily Clarke (Electrical Engineering)
- **ECE Outstanding Senior** - Jarod Stokes (Electrical Engineering)
- **ECE Outstanding Senior** - Linda Mosby (Electrical Engineering)
- **ECE Outstanding Senior** - Karan Sapra (Electrical Engineering)
- **ECE Outstanding Senior** - Tristan Novak (Electrical Engineering)
- **ECE Outstanding Senior** - Landy Youkhana (Electrical Engineering)

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Students honored for device that lets children feel computer interaction

Clemson researchers Dr. Rong Zhang and Dr. Shaojun Zhang have been honored for developing a device for little kids that lets them actually feel the computer interaction as they learn.

The two Clemson researchers — who work in the School of Electrical and Computer Engineering (ECE) — designed the device, known as the "Haptic Nano-Electronics Device," which encourages healthy, enjoyable and meaningful learning for kids.

"This device is the result of a breakthrough in the field of nanoelectronics and bioelectronics, which we have been exploring for years," said Zhang.

"We wanted to create a device that would allow children to actually interact with the computer in a more tangible way, similar to how they interact with real-world objects. This device allows them to "see" the computer through their five senses, providing a unique learning experience.

"We are excited to see how children will engage with this device and how it can be used in various educational settings to enhance learning and development.

"The next step for us is to further refine the device and conduct more extensive testing to ensure its safety and effectiveness. We believe this technology has the potential to revolutionize the field of education and provide children with a new way to learn and interact with technology."

The device was developed in collaboration with the National Science Foundation (NSF) and the U.S. Department of Energy's Office of Science, which provided funding for the research.

Clemson, a leading institution in the field of nanotechnology and bioelectronics, is well-positioned to lead the way in developing innovative technologies like this one. We look forward to seeing what the future holds for this exciting field.

More information on the Haptic Nano-Electronics Device and its potential applications can be found at the project's official website.
over the 2010-2011 academic year, a faculty member will work with the Department of Electrical and Computer Engineering in research that will further our understanding of how children develop their interaction skills with technology. Helping to assist professor, you named a Microsoft Research Faculty Fellows.

Since 2005, Microsoft Research has recognized a select number of computer scientists of high research quality and potential. This year, 11 new faculty members have been selected to receive the Faculty Fellows award.

"We are excited to have them in the fold and look forward to seeing some of these breakthroughs in computer science and related fields at Microsoft Research," said Gary passenger, president of Microsoft Research. "These awards recognize the potential of these researchers to make significant contributions to the field of computer science and to bring about new research directions at Microsoft Research."
for electrical

courses. A third new technical track in renewable energy was made available to students beginning in the Fall 2010 semester. For
care team, engineers are often called upon to design instruments and devices, to
increased concerns for cost efficiency and effectiveness, engineers are increasingly
computer-assisted surgery methods, and bioimaging equipment increases along with
bioinstrumentation, and bioimaging. As the demand for better medical devices,
fall of 2010. This track consists of three courses in the areas of organ replacement,
partment has developed two new undergraduate technical depth tracks in bioengineering and electric vehicle technology.

These new technical tracks have been added to the ECE curriculum as electives that satisfy requirements for technical depth
careers. The new elective tracks have been designed to provide a broad range of courses that

A wall of 105 Riggs Hall to use.

ECE student achievement

Chuang Song was awarded the Chinese Government Award for Outstanding Young Students Abroad in 2010. He was

The W.M. Riggs Outstanding Senior awards were presented to

The Rhodes Most Outstanding Junior awards were presented to

Singh selected as 'Champion of Photovoltaic Technology'

The Holcombe Department of Electrical and Computer Engineering

ECE welcomes new faculty

Singh, a computer engineer and_pages.pdf