

Faculty Research in the News

Georgia Tech researchers' work covered in the news media.

Popular Mechanics covered the unusual structures formed by the growth of silica nanowires using a new type of gallium catalyst. The researcher is **Z.L. Wang**. (See the Research News story at gtresearchnews.gatech.edu/newsrelease/SIWIRES.htm.)

In an article about medical innovators, *Forbes* magazine mentioned research by **Phil Kennedy**, a former Georgia Tech faculty member and founder of Neural Signals, an Advanced Technology Development Center company. Kennedy's technology helps disabled persons control the operation of computers and other devices. (See the RESEARCH HORIZONS article at gtresearchnews.gatech.edu/reshor/rh-win02/rlinkW02.html#rlink3.)

The syndicated television program *Discoveries and Breakthroughs Inside Science* aired a story on the Mars Entomopter under development in GTRI for NASA. **Rob Michelson** heads the project for GTRI. CNN.com also published an article about the Entomopter. Additional coverage included an Associated Press article that appeared in the *Baltimore Sun*, *Orlando Sentinel*, *Rocky Mountain News* and *Sacramento Bee*, among other newspapers. (See the RESEARCH HORIZONS article at gtresearchnews.gatech.edu/reshor/rh-f01/mars.html.)

American Scientist published an article about a Georgia Tech study of the classic 17th century Huygens clock experiment - the first recorded instance of synchronized oscillators. **Michael Shatz** and **Kurt Wiesenfeld** of the School of Physics conducted the study. (See the RESEARCH HORIZONS article at gtresearchnews.gatech.edu/reshor/rh-f00/time.html.)

Industry Week and *Laser Focus World* reported on the porous silicon gas sensor being developed in the School of Materials Science & Engineering and the School of Physics. **Peter Hesketh** and **Jim Gole** are the researchers involved.

photo by Gary Meek



Professors Kurt Wiesenfeld and Michael Schatz are reflected in the pendulum bob of one clock they used to re-create the 1665 experiment of Dutch physicist Christiaan Huygens.

(See the RESEARCH HORIZONS article at gtresearchnews.gatech.edu/reshor/rh-ss02/sensor.html.)

Design News and *Emergency Medical Services* magazine published articles on technologies being developed at the Center for Emergency Response Technology, Instruction and Policy. *National Defense* did an article on the Center's biosensor technology. (See the RESEARCH HORIZONS article at gtresearchnews.gatech.edu/reshor/rh-win02/r-first.html.)

Popular Mechanics, *Designfax*, *Machine Design* and *Medical Equipment Designer* reported on DentAART technology that will provide a "virtual mouth" to help dentists plan reconstructive surgeries and other procedures. **Jeff Sitterle** is heading the research effort for GTRI. (See the RESEARCH HORIZONS article at gtresearchnews.gatech.edu/reshor/rh-win02/rnoteW02.html#rnote1.)

Discover magazine included the RADAR Flashlight developed at GTRI in an article on technology and privacy. The lead researcher is **Gene Greneker**. (See the RESEARCH HORIZONS article at gtresearchnews.gatech.edu/reshor/rh-ss01/rnoteS01.html#rnote4.)

Aviation Week & Space Technology reported on Georgia Tech research designed to improve the performance of unmanned aerial vehicles. The researchers leading the project are **Daniel Schrage** in the School of Aerospace Engineering and **George Vachtsevanos** in the School of Electrical and Computer Engineering. (See the Research News article at gtresearchnews.gatech.edu/newsrelease/SMARTUAV.htm.)

Southwest Airlines Spirit magazine mentioned the "Digital Family Portrait" developed by **Beth Mynatt** in the College of Computing. The portrait is part of the Aging in Place initiative designed to help older adults remain independent longer. This technology and others under development for the Aware Home Research Initiative was also the cover story of a Sunday "Technology" section in the *Atlanta Journal-Constitution*. Among the other researchers involved with the project are **Gregory Abowd**, **Aaron Bobick**, **Irfan Essa**, **Wendy Rogers** and **Thad Starner**. (See the RESEARCH HORIZONS article at gtresearchnews.gatech.edu/reshor/rh-ss02/age-side.html.)

Photonics Spectra magazine covered research by **Thomas Orlando** in the School of Chemistry and Biochemistry. Orlando simulates conditions on the moons of Jupiter, studying energetic reactions that take place in frozen brine there. (See the RESEARCH HORIZONS article at gtresearchnews.gatech.edu/reshor/rh-f01/weird.html.)

Motion System Design magazine published an article on a machine vision system for automated poultry inspection. The system was designed by GTRI engineers in the Food Processing Technology Division headed by **Craig Wyvill**. (See the RESEARCH HORIZONS article at gtresearchnews.gatech.edu/reshor/rh-f01/poultry.html.)

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Last updated: Jan. 6, 2003