

# Greek Researcher Gets Julius Springer Prize

This year's Julius Springer Prize for Applied Physics will be awarded to Phaedon Avouris and Tony Heinz for their pioneering work on the electrical and optical properties of nanoscale carbon materials including carbon nanotubes – from basic science to exciting applications. The award, accompanied by US\$ 5,000, will be presented at the Julius Springer Forum on Applied Physics 2008 at Harvard University in Cambridge, MA, on 27 September 2008.

Future electronics and optoelectronics will be based on carbon nanostructures. Avouris and Heinz's studies of the electronic properties of nanotubes and graphene aim at developing a future nanoelectronic technology with devices that will be vastly more compact, fast and energy efficient than the current silicon-based devices. The optoelectronic studies aim at uniting and integrat-

ing this electronic technology with an optical technology based on the same materials. Their research will aid in the development of future high-speed electronics, communications systems, and sensors for diverse applications. Industries ranging from automobile, aviation, space and energy conversion/conservation to bionanotechnology and medicine are likely to benefit from their research.

Phaedon Avouris received his B.Sc. degree from Aristotle University in Greece and was awarded his Ph.D. degree in physical chemistry at Michigan State University. He is currently an IBM Fellow and manager of Nanoscience and Nanotechnology at IBM's Research Division at the Watson Research Center in Yorktown Heights, NY. He has also been an adjunct professor at Columbia University and the University of

Illinois.

Tony Heinz earned his B.Sc. from Stanford University and his Ph.D. degree in physics from the University of California, Berkeley. He is the David M. Rickey Professor in the Departments of Physics and Electrical Engineering at Columbia University, where he has been since 1995. Previous to this, he worked at IBM's Research Division at the Watson Research Center.

The Julius Springer Prize for Applied Physics recognizes researchers who have made an outstanding and innovative contribution to the fields of applied physics. It has been awarded annually since 1998 by the Editors-in-Chief of the Springer journals Applied Physics A – Materials Science & Processing and Applied Physics B – Lasers and Optics.

# NSW'S BIGGEST THEME PARK CELEBRATES 3 DECADES OF THRILLS & SPILLS!

Jamberoo Action Park will be making more than a splash when it opens its gates this September, as fun-seekers from across the state will be spilling in to celebrate its 30th season!

Renowned as the place 'where you control the action', Jamberoo has grown into the state's biggest theme park – and now with more rides and slides than ever before, it provides a fun and exciting day out for everyone.

Jamberoo's selection of thrills and spills includes:

- The Taipan for true terror-seekers
- The Rock for those who are game to jump
- Rapid River whirlpool
- The steep Surf Hill for speedsters
- Bobsled
- Splash Out waterslides
- Outback Bay for waves and play
- Billabong Beach for kids

With admission covering all rides all day long, customers will leave Jamberoo feeling waterlogged and wonderful!

Not for the faint-hearted, The Taipan was launched last year and is the first attraction of its kind in Australia. This high-thrill ride comprises two giant snake slides, each over 160m long – all in total

darkness. Riders plunge through The Taipan's jaws into pitch black to be taken on a terrifying ride of drops, twists and turns – experiencing an exhilarating bite that will keep them coming back for more!

Just over an hour from Sydney, Jamberoo Action Park is nestled in the South Coast's beautiful countryside. Those coming from Western Sydney can hop on the M7 for a trip that takes less than an hour.

Customers can bring their own food and make the most of Jamberoo Action Park's lush picnic grounds and BBQs, or choose from the wide range of tasty food outlets on site.

As the warmer weather creeps in, there's no better place to dive in to than Jamberoo Action Park. It's time to kickstart spring by pulling out the swimmers and sunscreen, heading down South and celebrating the most



action-packed party of the season – our favourite theme park's 30th birthday!

Jamberoo Action Park is located at

1215 Jamberoo Rd, Jamberoo. For more details on the attractions and amenities available, see the attached

brochure or visit [www.jamberoo.net](http://www.jamberoo.net).

Season Opening Hours Weekends in September 2008, 10am – 5pm

Daily from 29th September 2008 – 26th April 2009, 10am – 5pm (except Christmas Day)

Admission Prices

Adults 13 + years \$37

Children 4-12 years \$29

Children 3 years and under FREE

## Storrs will soon be home to the first authentic Greek amphitheater in the United States

Paideia, the Center for Hellenic Studies in Storrs, is in the process of constructing an open-air amphitheater behind the Paideia building on Dog Lane.

The project, which started about a year and a half ago, should be completed some time next year, according to Ilias Tomazos, the director of the Paideia center.

It will be an exact replica of the amphitheaters of ancient Greece. Some of the authentic features include solid marble seating that will accommodate 500 people, a complete orchestra and ancient drainage techniques.

No electronics will be used during productions. This will keep the authenticity and also keep the volume down for residents in the area. However, Tomazos said electronic amplifiers aren't necessary anyway because the structure of the amphitheater is meant to create ideal acoustics.

"It will be like old times," Tomazos said.

Paideia has hired a local contractor to build the theater, but much of the work is being done by the members

of Paideia themselves. For example, students involved in Paideia cleared the land for the amphitheater. Tomazos said they cut down trees using hand saws.

Sophia Kalogeridis, a 7th-semester mathematics major and president of the Greek Club, helped clear the land. She said students had to put the trees through a wood chipper and fill the foundation of the theater with rocks and dirt.

"It was a lot of fun when there was a big group of us," Kalogeridis said.

Doing the work themselves is saving Paideia a lot of money, but it is also taking longer than it would if the whole thing were to be

done by a contractor.

"It takes longer, but it's better because it brings people together," Tomazos said. "We forget the human factor."

The money Paideia has spent on the project comes from donations and also from a \$100,000 grant given to them by the state of Connecticut. It is being built on a plot of land that the president of UConn gave to Paideia in 1977.

"We are very grateful to the university for giving us the land," Tomazos said. "So we are trying to make something nice for UConn and for everyone."

The idea to build the amphitheater came about

because, according to Tomazos, in ancient Greece, a city would not be considered complete unless it had a theater.

Therefore, members of Paideia felt that they would not have a complete Center for Greek Studies without one.

"We would not make the greatest contribution to our heritage, if we did not have a theater," Tomazos said.

Shaylyn Hauswirth, a 1st-semester political science major, said she thinks building the amphitheater is a good idea.

"It will enrich the culture of UConn," Hauswirth said.

When it is completed, Tomazos believes the amphitheater will be a valuable resource for everyone. It will be open to any organization that wishes to use it.

Kalogeridis said it will be valuable to Greek mythology classes because they will be able to see an authentic amphitheater without having to travel to Greece.

"It will be a place to attract people," Tomazos said. "We feel it will be a positive addition to the school and to the community."

