Autonomous Vehicles at Princeton University

Alain Kornhauser, Derrick Yu,
Issa Ashwash, Jonathan Mayer, Gordon Franken

Beginning in 2004, an evolving group of Princeton University undergraduates have focused their extracurricular activities towards the design and construction of a truly autonomous vehicle. This is a very tangible objective, and it has been an ideal mechanism to complement the students' learning in lectures and classroom exercises. The design exercise has taken the students through a series of competitions, including the 2005 DARPA Grand Challenge, the 2007 DARPA Urban Challenge, the 2008 IGVC (Intelligent Ground Vehicle Competition), and more. This talk will highlight the achievements of the group, the capabilities and limitations of the current vehicles, and the plans for creating a truly autonomous highway vehicle. The current vehicles will be on display. For more information, see the group's website:
http://pave.princeton.edu/main.

Alain Kornhauser is a professor of Operations Research and Financial Engineering at Princeton University. Alain is also Chairman of ALK Technologies. ALK designs and builds real-time customized decision systems for major transportation companies and develops markets, maintains, and supports transportation routing software and databases. ALK employs 120 professionals at its headquarters in Princeton, NJ and 60 in its European headquarters in London with smaller offices in Paris, Munich, Madrid and Taipei.

Derrick Yu, **Issa Ashwash**, **Jonathan Mayer**, and **Gordon Franken** are undergraduate students at Princeton University.

Date: Thursday, November 20, 2008, 8:00 pm.
            (Refreshments and networking at 7:30 pm.)
Place: Sarnoff Corp., Routes 1 and 571, Princeton, NJ
Information: Dennis Mancl (908) 582-7086, Jan Buzydlowski (610) 902-8343
On-line info: **http://www.acm.org/chapters/princetonacm**

All ACM / IEEE-CS meetings are open to the public. Students and their parents are welcome. There is no admission charge, and refreshments are served.

A pre-meeting dinner with the speaker is held at 6:00 p.m. at Ruby Tuesday's Restaurant on Route 1. Please send email to **princetonacm@acm.org** in advance if you plan to attend the dinner.