

Automotive Technology NEWS

Pittsburg State University • Spring 2002 Edition

Pitt State/Gyeongsang National University join forces in SAE Mini-Baja competition

The Gyeongsang National University Mini-Baja team (shown at the right) is enjoying their stay at PSU. Their vehicle is on schedule to be finished for the Midwest Mini-Baja competition May 30 through June 2 in Milwaukee. The GNU and PSU teams have learned a lot from each other, covering everything from vehicle design and construction, culture and student activities.



MINI-BAJA WEST at Logan, Utah

Two Pitt State Mini-Baja teams traveled to Logan, Utah on April 25th to compete in the Mini-Baja West competition. Nearly 100 teams from all over North and South America participated in the event. Pitt State entered two vehicles with independent rear suspensions. The students involved were Kelly Jones and Jeff Stanley from Seneca; Matt Keller, Garden City; Ethan Forsberg, Valley Falls; Ben Barnard and Erik Himebrook, Overland Park; Derik Hockett, Satanta; Chauncey Pennington, Louisburg; Tyler Moore, Newton; and Greg Weber from Columbus, Kansas.

The vehicles experienced some major mechanical problems and were involved in an accident that resulted in a poor finish in the endurance race. One of the two Pitt State cars was still running at the end of the four-hour race. One design report was judged as 24th overall. The "cost report" of one vehicle placed 11th. The vehicles ranked 26th and 27th in acceleration. One of the vehicles was rolled during the endurance race and will be retired before the Mid-west competition.

The Mid-west event will be held in Milwaukee. One of the Pitt State vehicles entered will be the remaining car from Logan. A team composed of students in Engineering Technology also plan to enter a vehicle. In addition, a team from GNU, a South Korean University will enter a vehicle in conjunction with Pitt State. All three teams will travel to Milwaukee for the event staged May 30 through June 2. Cheering for the teams will be Professors Roger Adams, Ken Gordon, Trent Lindbloom and Chair John Iley.

All the teams and the advisors will make a stop in Peoria, Illinois, on the way to Milwaukee. Pete Holman has assisted in making arrangements for the students to tour Caterpillar manufacturing plants in the Peoria area.

Matthew Keller chosen to receive the 2002 student leadership award

Matthew Keller from Garden City, KS, was selected by the Automotive Technology faculty to receive the "2002 Automotive Technology Leadership Award".

Matthew has been active in the Society of Automotive Engineers for four years, serving as Mini-Baja Chair and Social Committee Chair. Keller has also been active with the Mini-Baja program since his freshman year including one year as team captain, and another year as the organization president. Keller is currently the Senior/Graduate Assistant working with the Korean Mini-Baja Special Project.

Detroit alumni chapter meets

Pittsburg State University Vice President James AuBuchon, and Professor Ken Gordon had the pleasure of meeting with about thirty Pitt State alumni in the Detroit area on April 25th. The meeting was held at the Northfield Hilton Hotel located near the DaimlerChrysler Technology Center. Vice President AuBuchon reviewed recent happenings at the University and closed with a very interesting PowerPoint slide show of "2001 campus happenings." Professor Gordon gave a brief overview of the status of the automotive programs.

Chapter President Kelly Kyle and Vice Chair Rob Kobel made arrangements for the meeting along with help from the Mindy Cloninger, Coordinator of Alumni Activities. Jamie Powell (AT 2001 graduate) was chosen to be the new president. He is employed by the Ford Technical Hot Line. The new VP is James Campbell (AT02) and the treasurer is Chris Wilde (AT00).

GA Chad Burman off to CAT in Peoria, Illinois

Chad Burman, an Automotive Technology graduate and current MBA student, has served as a teaching graduate assistant in the diesel and heavy equipment emphasis area during the past year. On June 4th he will begin his career with Caterpillar in the area of marketing management.

Chad and his wife Samantha call Cimarron, Kansas, home. They are expecting their first child in September. It will certainly be a busy and exciting summer for the Burman family.

Caterpillar corporate internship

PSU student Joe Sears is currently working for Caterpillar, Inc., on an internship in Peoria. Joe is working in the mechanical lab involving service literature development. He started in January and will finish his internship in July. Sam Halcomb and Nick Johnson will also begin an internship at Caterpillar this June and work in Peoria,

Illinois through December 2002. All three of these students graduated from Illinois Central Community College in Peoria. Joe and Sam graduated from the Caterpillar technician-training program, and Nick graduated from the Diesel Powered Equipment Technology program. Justin Allman is another ICC student on his way to Pitt State. He will begin working toward his BST degree this fall.

New John Deere Ag Tech program at Fort Scott Community College

Fort Scott Community College has begun a new partnership with John Deere Corporation in offering a new 2-year Ag Tech program. Students will begin taking their first classes this August toward earning an Associates Degree of Applied Science. Students who graduate from the program will go to work as service technicians in John Deere dealerships. Students must have a sponsoring dealership which provides a co-op (internship) experience twice during their education at FSCC. Fort Scott Community College has partnered with the City of Frontenac, Kansas in securing facilities for the program. Students will attend the technical classes in Frontenac which is located just north of Pittsburg. Fort Scott Community College will hold their general education classes on Pitt State's campus. Students will also have the opportunity to live in PSU housing.

Ron Graves, Director of Short Term Training for FSCC, recently announced that Mr. Bill Lyons will be the instructor for the new Ag Tech Program. Mr. Lyons has been the service manager for Barton County Implement in Lamar, Missouri, for the past 13 years. Bill also has experience as a marketing manager for International Harvester.

New diesel emphasis curriculum

Two new diesel courses are available to students this year. The courses are AT 640 Off-Highway Systems, and AT 621 Advanced Diesel Electronics and Diesel Engine Laboratory.

In the off highway course, students study the power train and operation of agricultural and construction equipment. Some of the units taught are: tires, GPS, transmissions, MFWD, PTO drawbar, hitches, tillage, planting/seeding, harvesting, hay & forage, weighting and ballasting, tires, undercarriages, track steering, dozers, loaders, scrapers, graders, haul trucks, and excavators.

The advanced diesel electronics & diesel engine laboratory course covers engine design and construction of engines used by Caterpillar, Cummins, Detroit Diesel, John Deere, and Navistar. MEUI and HEUI fuel system technology is covered. Students are also introduced to the manufacturers service tools, such as DDEC, Electronic Technician, INSITE, Master Diagnostics, and others. Other diagnostic tools addressed include the Pro-Link 9000 and a Palm-pilot version of Cummins Quick Check.

International donates 466 engine

Ken Boyer of International Truck and Engine Corporation facilitated the donation of an International 466 I-6 diesel engine. This is a running engine that features the HEUI (Hydraulically actuated Electronic controlled Unit Injection) fuel system. Boyer spent the day on March 4th at the KTC helping mount the engine on its stand and preparing it to run. The engine will be used in the AT 621 Advanced Diesel Electronics & Diesel Engine Laboratory.

Automotive graduates are major contributors to the success of the recent Foundation Phonathon

Automotive Technology graduates and their participating companies made a major impact on the success of the recently completed Foundation Phonathon. AT graduates and others called by the Automotive Technology faculty pledged over \$33,500 which was 11% of the total of \$303,650 pledged to the University Foundation in this academic assistance drive.

Automotive faculty volunteer callers Ken Gordon, Bob Frisbee and Roger Adams were in the top ten most successful callers in receiving pledges. Automotive instructors Tim Dell and Trent Lindbloom also called on behalf of the Phonathon. Faculty callers representing the College of Technology claimed six of the top 10 positions in regard to total pledges thanks to the generosity of the graduates in the field.

Thanks very much to all who participated! Your contributions are of great importance in keeping Pitt State and the automotive program competitive in recruiting and serving our many students.

Special topics course offered to farm show participants

An agricultural technology related workshop will be held at Pittsburg State University in late July. The class will be focused around the 4-State Farm Show, which will take place south of Pittsburg.

The workshop consists of attending class Thursday evening, July 18th; touring the Farm Show Friday, July 19th, and back in class on Saturday morning July 20th.

The course number for undergraduate credit is TE 403-83. Persons desiring graduate credit should enroll in TE 806-82. Please call 620 235 4176 (Continuing Studies) for additional enrollment information.

Chester Burgess, TTI leads automotive technology advisory committee

Chester Burgess, Operations Manager for TTI, located in Auburn Hills, MI is serving as the chair of the Automotive Technology Advisory Committee. There are presently 15 members on the Committee. The next meeting is scheduled for November 12th.

SAE student chapter conducts fund raiser for automotive burn victim

Pittsburg State University automotive student Chris Roth was critically burned in a house fire Friday, February 1. Chris was treated in the KU Medical Burn Center for several weeks and is presently recovering at the home of his parents.

Chris had no medical insurance so a lot of people wanted to band together and raise some funds to help with Chris's medical and miscellaneous expenses. The SAE student chapter conducted a very successful fund raising drive. The automotive faculty also presented a scholarship to Chris for the 2002-03 academic year to cover his enrollment and textbook fees. The funds are from the donations of numerous automotive alumni. Chris presently plans to finish a double major in Spanish and Automotive Technology in the spring of 2003.

Automotive instructor Tim Dell spearheaded the drive with counsel and assistance from Brian Milleman (BST 2001). Brian is a longtime classmate and close personal friend of Chris.

Eugene V. Gardner Outstanding Automotive Senior Award goes to Danika Flax

Danika Flax, a senior in the Automotive Technology program with an emphasis in Service Management was selected by the automotive faculty to receive the prestigious **Eugene V. Gardner Award**. She is the daughter of Norbert and Loretta Flax of Ransom, Kansas.

Danika has been an active member in the Society of Automotive Engineers where she served as secretary. She has also been active and served as treasurer in the Society of Women Engineers. SAE Student Chapter and Mini-Baja projects were also on her student activity calendar.

She participated in a six-month internship position at the General

Motors Assembly Plant in Janesville, WI during the summer of 2001. She worked as a line supervisor in both chassis and trim areas. Danika also spent part of her internship in the reliability department working with parts suppliers and the engineering teams to improve various components of the vehicles.

Danika will graduate in December of this year with a Bachelors of Science in Technology degree. Her plans are to continue working for General Motors at the Fairfax Plant in Kansas City, KS this summer and possibly after graduation.

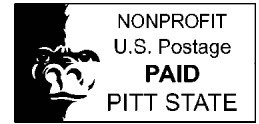
Fall Automotive Technology Newsletter by e-mail only

In order to reduce costs the fall edition of the "Automotive Technology Newsletter" will be distributed only by e-mail with a Word file attachment. Many readers of this spring letter will also receive a hard copy by U.S. Mail. **Please complete the insert in the hard copy concerning the updating of the mailing list and the addition of e-mail addresses to the newsletter mailing. If you wish to be taken off the hard copy mailing and the Automotive Technology mailing file just disregard the insert self-mailer!**

Automotive Technology enrollment will be near 300 in the fall

A record enrollment of 300 or more Automotive Technology students is expected for the fall semester. Even with the record enrollment steps have been taken to assure that all new students enrolling in the BST automotive program will be able to enroll in at least one automotive course. **Enrollment will not be capped or closed in the four year BST program!**

Enrollment in the 2-year AAS technician-training program is presently at a maximum. Students wishing to enroll in the AAS program are being placed on a list for enrollment in 2003 or 2004. Some students are completing various general education and support courses while waiting for placement in the technician-training program.



Professor Bob Frisbee announces summer course offerings

Automotive Professor Bob Frisbee has coordinated an excellent automotive program short course offering for the summer June Session. It is shown in the table below. Readers who are interested in enrolling should contact Continuing Studies at 620-235-4176.

AT 403-81 or TST 795-81	Current Topics in Technology (Next Generation Fuel System) Presented by DaimlerChrysler , Scott Norman, Instructor Special Topics in Technology (See above)	1 Hour of Credit or Non-credit	June 11–12 Tuesday & Wednesday 8:30-4:30	Room N109 KTC
AT 403-82 or TST 795-82	Current Topics in Technology (Diagnosis using Oscilloscopes) Presented by Snap-On/Sun Special Topics in Technology (See above)	1 Hour of Credit or Non-credit	June 13–14 Thursday & Friday 8:30-4:30	Room N109 KTC
AT 403-83 or TST 795-83	Current Topics in Technology (Caterpillar Hydraulics) Presented by Martin Tractor Company (Caterpillar) Special Topics in Technology (See above)	1 Hour of Credit or Non-credit	June 18–19 Tuesday & Wednesday 8:30-4:30	Room N109 KTC
AT 403-84 or TST 795-84	Current Topics in Technology (Changing Technology in Agriculture & Precision Farming) Presented by John Deer Special Topics in Technology (See above)	1 Hour of Credit or Non-credit	June 20–21 Thursday & Friday 8:30-4:30	Room N109 KTC