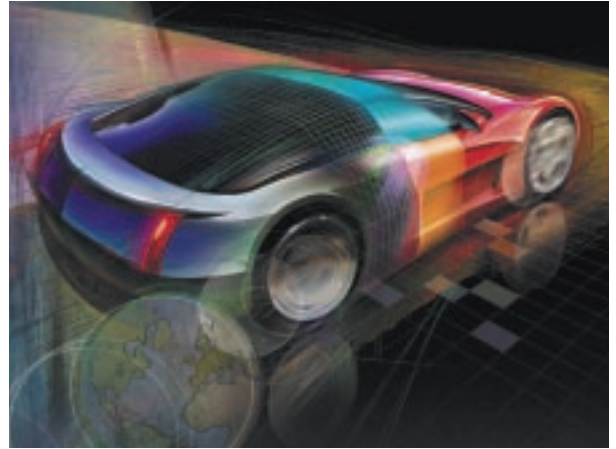


HP and PACE help aspiring designers sharpen their skills

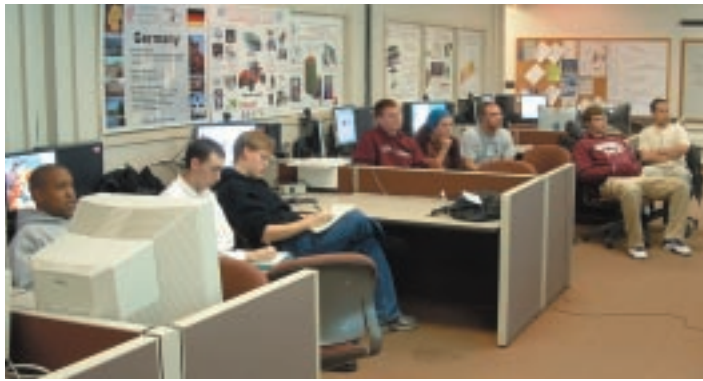


PACE



“Modern engineering just can’t happen without the tools provided by the PACE program. The PACE contributions, including the HP xw4200 Workstations, help us graduate better-quality engineers.”

– Bob Chalou, Academic Specialist
Michigan State University



The car of the future – the one that runs on water or gets 100 miles to a gallon of gasoline – may well be designed by students who are currently sharpening their engineering skills in PLM Labs on HP xw4200 Workstations donated to their universities by HP through a corporate alliance known as PACE.

Partners for the Advancement of Collaborative Engineering Education (PACE) was formed in 1999 by General Motors Corp., EDS, Sun Microsystems Inc. and UGS to enhance engineering, science and art curricula for students in the automotive, technology and engineering fields. PACE provides hardware, software, training, automotive parts and industry projects to PLM Labs in 33 institutions in nine countries.

HP is a big believer in the PACE program, says Jim Zafarana, vice president, Worldwide Marketing, HP. "It's extremely important for today's talented students to have the same tools that industry uses. HP has a longstanding relationship with GM and UGS, and we're pleased to join them in helping prepare engineers and designers to succeed in the rapidly evolving engineering environment of the future."

Through PACE, HP donates 100 new HP xw4200 Workstations and four HP Designjet 110plus nr (C7796E) large format printers to PACE universities each year and pays refurbishing and shipping charges on used HP Workstations donated by the alliance's founding partners.

Better-qualified graduates

Michigan State University (MSU) uses its HP xw4200 Workstations in an advanced Computer Aided Design (CAD) class. "Modern engineering just can't happen without the tools provided by the PACE program," says

Bob Chalou, Academic Specialist at MSU. "They help us produce better qualified entry-level engineers." Chalou and his students are particularly impressed with the ability of the HP Workstations to handle demanding graphics chores. "They don't get bogged down when we do photo-realistic rendering," he notes.

The College for Creative Studies (CCS) in Detroit, Michigan, has used PACE contributions to upgrade the Industrial Design Department's computer facility. Using HP Workstations running Alias AutoStudio and other digital tools, along with an HP Designjet printer, advanced students can design airplanes, hybrid vehicles and biomedical devices. "The HP products we received through the PACE program let our students focus on developing design competencies instead of fighting balky, older technology," says CCS President Robert L. Rogers.

HP products also facilitate collaborative projects in which students and faculty work directly with technical experts from GM, EDS, Sun and UGS to solve real-life industrial challenges. Virginia Tech is the hub for two such projects. The first, directed by faculty from four PACE universities, has students adapting a late-model GM car for sale in three different countries. In a second project, students from eight countries are collaborating to design a totally new vehicle. Both projects require extensive use of collaborative applications in their PLM Labs such as NetMeeting, Skype, Teamcenter Engineering and Teamcenter Community running on HP Workstations.

"These projects give students experience with real-world situations," says Dr. Jan Helge Bøhn, director of the Virginia Tech CAD Laboratory. "The PACE initiative, including HP's contribution, gives us all stronger science and engineering curricula."

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HP Workstations: <http://www.hp.com/workstations/index.html>

4AA0-2970ENW, 11/2005

