ICES HOLIDAY PARTY 2002

The annual ICES holiday party took place on December 13, 2002 at the Pittsburgh Athletic Association in Oakland. The evening began with drinks and dinner, and went on to include music, dancing and raffles. Thank you to everyone who came to help celebrate the season!

KNOWLEDGE MANAGEMENT WORKSHOP

ICES research faculty member Eswaran Subrahmanian, Chemical Engineering Professor Art Westerberg and University of Sydney Professor Joseph Davis have coordinated an international workshop on knowledge management to be held on February 6 and 7, 2003. The event, entitled “Knowledge Management and the Global Firm: Organizational and Technological Dimensions,” will take place at the University of Sydney in Australia and is being sponsored by the Carnegie Bosch Institute. Attendees from academia, government and industry are expected to come from across Asia, Europe and the United States. For more information on the workshop, please contact Professor Subrahmanian at sub@cmu.edu or visit the workshop’s website at www.cs.usyd.edu.au/~jdavis/wshop/index.html.

IEEE COMPUTER SOCIETY SYMPOSIUM

ICES research faculty member Asim Smailagic is a Program Committee Chair for the IEEE Computer Society Symposium on VLSI in Tampa, Florida. This prestigious international conference will take place on February 20 – 21, 2003, and will bring together leading scientists and researchers from academia and industry in the areas of VLSI and system level design. For more information on the conference, please contact Professor Smailagic at asim@cs.cmu.edu or visit the website at www.cse.psu.edu/~vijay/isvlsi03/.

REQUEST FOR PITA LEVERAGE AND SUMMARY

PITA grants for years 4 and 5 are nearing their contract end dates, and our agreement with the DCED requires us to produce a final report for each fiscal year. If you are a principle investigator on a year 4 or 5 PITA project, an email will be sent to you shortly requesting a project summary and leverage information for each of your PITA projects. Please take a few minutes to summarize the scientific achievements of your projects, involved student information and the appropriate leverage information. Your cooperation will help to ensure that PITA funding is available in the future. Please feel free to contact Rich Hoff at rhoff@andrew.cmu.edu with questions about your project summary and Rhonda Moyer at rm7q@andrew.cmu.edu with questions about leverage. Thank you for your participation in ICES and your contributions to PITA.

ICES OUTREACH 2003

During the coming months, ICES faculty, staff and students will participate in a wide variety of outreach events. These programs help young students explore the world of science and engineering in fun and educational ways. Through such events as National Engineers Week and the SciTech Festival at the Carnegie Science Center, and Moving 4th into Engineering and the Summer Undergraduate Research Experience, ICES can share its resources with a broad spectrum of students from across Western Pennsylvania. These and other activities are currently in the planning stages. More details will be provided as they become available. If you would like to get involved with an upcoming education or outreach program, please contact Dana Hilinski at hilinski@andrew.cmu.edu. Volunteers are always welcome.
KEN WESTERBERG MEMORIAL BLOOD DRIVE TO BE HELD FEBRUARY 26TH

On Wednesday, February 26, there will be a blood drive from 11:00 a.m. to 4:30 p.m. in the Singleton Room in Roberts Hall. This blood drive is being held in memoriam of Ken Westerberg, son of Art Westerberg, Swearingen University Professor of Chemical Engineering and ICES. Ken died on January 1, 2001 of leukemia at the age of 35. Prior to his death, he expressed extreme interest in recruiting donors to aid this cause. Furthermore, the Pittsburgh area is currently experiencing a “state-of-emergency” due to extremely low blood supplies. If more donations are not received during the next several weeks, many area hospitals will be forced to cancel elective surgeries. Participation in this blood drive is open to the entire campus community. To reserve a time slot to donate blood, please contact Dana Hilinski at hilinski@andrew.cmu.edu.

Walk-ins are welcome, but those without an appointment may experience an extended waiting period.

ICES TO PARTICIPATE IN CARNEGIE SCIENCE CENTER’S NATIONAL ENGINEERS WEEK

Once again, ICES will be participating in National Engineers Week at the Carnegie Science Center on Friday, February 14 and Saturday, February 15. This two-day event celebrates the contributions of engineers to our daily lives by providing children of all ages with hands-on engineering activities. The ICES table will be among more than 60 exhibits featuring presentations and demonstrations designed to inspire children to explore the world of engineering. Volunteers are currently needed to help man the ICES table. Please contact Dana Hilinski at hilinski@andrew.cmu.edu to sign up or visit www.carnegiesciencecenter.org/events/engineers.asp for more information on the program. Don’t miss out on this wonderful opportunity to share your knowledge with the future engineers of tomorrow!

ASIM SMAILAGIC RECEIVES CARNEGIE SCIENCE CENTER AWARD FOR EXCELLENCE

Asim Smailagic recently won the Carnegie Science Center Award for Excellence. This award recognizes individual achievement in science and technology related fields in Southwestern Pennsylvania, and is intended to raise public awareness about science and its applications in our daily lives. It emphasizes the vital links between schools, research laboratories, business development, quality of life and job creation in the region and society at large. The award is presented in cooperation with the Pittsburgh Technology Council, and will be given during a gala banquet on April 30 at the Pittsburgh Hilton. Asim says he is delighted about receiving the award, and he thanks his colleagues and students in the Wearable and Pervasive Computing projects and ICES. Congratulations, Asim!

SAROSH TALUKDAR TO GIVE FENVES AWARD LECTURE

ECE Professor Sarosh Talukdar will give a Fenves Award Lecture on February 21 in 1001 Hamburg Hall. His talk is entitled “Agents, Evolutionary Learning and Market Design.” Professor Talukdar won the 2002 Steven J. Fenves Award for his pioneering work on the introduction, analysis and use of autonomous asynchronous teams of computer agents (A-teams) to solve complex engineering problems, as well as for his leadership in engineering design. For more information on Professor Talukdar’s award-winning research, please visit his homepage at www.ece.cmu.edu/people/faculty/talukdar.shtml.
PROFESSOR JOON-SEONG LEE, ICES VISITING RESEARCHER

Professor Joon-Seong Lee joined ICES in January 2003 as a visiting researcher. He will be here for one year while on a sabbatical leave from Kyonggi University in Korea, where he is an associate professor of mechanical engineering. From 1988 to 1991, Professor Lee was a faculty member in the department of mechanical engineering at the Korea Military Academy. He also worked as a research scientist in the Division of System Engineering at the Korea Institute of Science & Technology (KIST). Professor Lee received his B.S. (1986) and M.S. (1988) in mechanical engineering from SungKyunKwan University in Suwon, Korea, and earned his Ph.D. in engineering from the University of Tokyo in 1995. His research interests lie in the development of an intelligent simulation system that will effectively combine numerical simulations, such as the finite-element method and soft computing techniques, and its application to various artifacts, such as micromachines. He is currently working on artificial intelligence application and design with Mechanical Engineering Professor Kenji Shimada. In his spare time, Professor Lee enjoys running and playing sports, including soccer, tennis and golf. He would like to say thank you to Professor Shimada, Rhonda Moyer and everybody at ICES for giving him a chance to visit.

LIFEI CHENG, CHEMICAL ENGINEERING GRADUATE STUDENT

Lifei Cheng joined ICES in 1999 as a graduate student in chemical engineering. He is advised by Chemical Engineering Professor Art Westerberg and is expected to receive his Ph.D. in June of 2003. Prior to attending Carnegie Mellon, Lifei studied at Tsinghua University in Beijing, China, where he earned his bachelor’s degree in chemical engineering in 1998. Currently, Lifei’s research interests lie in decision analysis; he is working on developing a mathematical framework for making informed decisions under uncertainties. Lifei plans to stay in the United States for the first few years after receiving his Ph.D., ideally finding work in industry rather than academia. Originally from southwestern China, he enjoys traveling and camping in his spare time. He has visited such states as Florida, Texas and California and once drove all the way from Yosemite National Park to Yellowstone National Park during a camping excursion. Lifei is enjoying his time in the United States and at Carnegie Mellon, and is especially fond of his experiences here at ICES.

CARNEGIE MELLON MAGAZINE, WINTER 2002, WWW.CMU.EDU/MAGAZINE/02WINTER/COURSELINK.HTML

In an article entitled “Courses Link Students, Nations,” author Peggy Neely highlights the engineering design course taught by Eswaran Subrahmanian, Sarosh Talukdar and Art Westerberg; the course is taught as a simultaneous collaboration between students at Carnegie Mellon and Delft University of Technology in the Netherlands.

MIT TECHNOLOGY REVIEW, FEBRUARY 2003, WWW.TECHNOLOGYREVIEW.COM/ARTICLES/PRINT_VERSION/EMERGING0203.ASP

In an article called “10 Emerging Technologies That We Predict Will Have a Tremendous Influence in the Near Future,” Phil Koopman was noted as a researcher in the area of “mechatronics,” which is the integration of mechanical systems, electronics, and software control.
In an article entitled “CMU Work Aims to Change Relationship Between Vehicle, Driver” by Byron Spice, Asim Smailagic is interviewed & ICES’s rapid prototyping course is noted for its “smart car” project.

Under the headline “Developing Smart Cars,” Asim Smailagic is pictured demonstrating the “smart” van project that was developed in the General Motors Lab.