



BITS & PCs

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

February 2003

Wright State University Dayton, Ohio 45435

Vol. 19 No. 4

Important Dates

- February 17-21
National Engineers Week
- March 3
Last day to apply for June graduation
- March 15
Last day of winter quarter classes
- March 17-21
Final Exam Week
- March 31
First day of spring quarter classes
- May 26
UNIVERSITY CLOSED - Memorial Day
- May 27
Last day to apply for August graduation
- June 7
Last day of spring quarter classes
- June 9-13
Final Exam Week
- June 13
CECS Awards Ceremony and the Order of the Engineer Ring Ceremony
- June 14
Spring Quarter Commencement
- June 16
First day of "A" and "C" term summer quarter classes
- July 4
UNIVERSITY CLOSED - Independence Day
- July 17
Last day of "A" term classes
- July 21
First day of "B" term summer quarter classes

National Engineers Week: Turning Ideas Into Reality

The College of Engineering and Computer Science will be celebrating National Engineers Week with a wide variety of activities from February 17-21, 2003. Many of the student organizations are sponsoring events and activities throughout the week. Listed below is a schedule of events for the week. Other events and/or changes to the events may develop before E-Week, so watch the postings on the TV monitors on the first floor or visit www.cs.wright.edu/news.

National Engineers Week Schedule of Events

<u>Date and Time</u>	<u>Event</u>	<u>Location</u>
<i>February 17-21</i>	Penny Wars	All department offices
<i>Monday, February 17</i>		
12:00 PM - 2:00 PM	Women in Engineering and Computer Science (Seminar for female high school students)	145 Russ Center
1:00 PM - 5:00 PM	CECS Open House	Russ Center Lobby
1:00 PM - 3:00 PM	Club Fair	Russ Center Lobby
1:00 PM - 3:00 PM	Mocktails Competition	Russ Center Lobby
2:00 PM	Mister and Miss Engineer Nominees	Russ Center Lobby
<i>Tuesday, February 18</i>		
9:45 AM - 11:00 AM	Russ Prize Press Conference via Satellite	405 Russ Center
10:00 AM - 12:00 PM	High School Egg Drop Competition	Russ Center Lobby
8:30 PM - 11:30 PM	Movie Night	144 Russ Center
<i>Wednesday, February 19</i>		
12:00 PM	Nerd Fashion Show	Russ Center Lobby
After Nerd Fashion Show	Tau Beta "Pie" Eating Contest	Russ Center Lobby
<i>Thursday, February 20</i>		
8:30 AM - 9:30 AM	Breakfast with the Dean	405 Russ Center
2:00 PM - 4:00 PM	Engineering Olympics	Russ Center Lobby
8:00 PM - 10:00 PM	CECS-CONH Volleyball Game	Student Union Gym
<i>Friday, February 21</i>		
8:00 AM - 2:00 PM	High School Trebuchet Contest	McLin Gym - Nutter Center
8:00 PM - 10:00 PM	National Engineers Week Party	Wallaby's
	Mister and Miss Engineer Winners	Wallaby's

Watch the TV Monitors on the 1st Floor of Russ for changes and/or updates to the schedule.

Visit us on the Web at <http://www.engineering.wright.edu>

Mitch Wolff Receives ASC Education Award

By: Jessica Garringer



The Affiliate Societies Council recently awarded Dr. Mitch Wolff, associate professor of mechanical and materials engineering, the Outstanding Engineers and Scientists Award in Education.

Every year, the Affiliate Societies Council and the Engineering and Science Foundation of Dayton recognize many of the engineers and scientists in the Greater Dayton area who have made incredible contributions in their specific professions.

Awards are given for achievements

to individuals in five different categories: 1) Education, 2) Research, 3) Technical Leadership, 4) Engineering Design and Development and 5) Manufacturing, Production, and Quality Control.

Wolff was given his award due to his contributions and accomplishments in the education category. While at Wright State, Wolff has made tremendous impacts in engineering. He has introduced two new courses in computational fluid dynamics. He has also obtained \$2.4 million of external research funding from prestigious organizations such as NASA, AFOSR, OAI, ARFL, and DAGSI.

Within the College of Engineering and Computer Science, Wolff has been recognized with the Outstanding Faculty Member Award in 2001 and the Excellence in Teaching Award in 1999.

Through his years as an educator at Wright State, Wolff has impacted the lives of hundreds of students. He has taught six various courses and educated 550 students in engineering. Also, Wolff has been the advisor of 20 senior design projects involving 45 engineering students. Along with college students, Wolff also provides various links between the university and high school students by getting students involved in the WSU sponsored

Trebuchet contest and also by judging at the West District science day for the past seven years.

Through his research and under his direction, Wolff has significantly contributed to issues involving high cycle fatigue of turbomachinery. Both computational and experimental analysis of forced response related to transonic compression systems have been investigated showing significant unsteady forces due to changes in axial spacing of the blade rows. To determine the dynamic calibration of unsteady pressure sensors, the WSU shock tube was developed under his direction.

Wolff has served on 18 university and college committees having a significant impact on the university technology committee by being a principle investigator involved in getting WSU connected to Internet 2 by NSF.

Phil Flynn, the Engineering Librarian, is making himself available in Russ to anyone who may need help locating information or learning to use the library resources.

Russ Engineering Center Library
404 Russ
Thursdays
2:00 p.m. to 4:00 p.m.

ITRI News

ITRI is hosting the following Faculty-Graduate Student Seminars for Winter Quarter:

Tuesday, February 25

2:00 PM

145 Russ Engineering Center

Mr. Stephen Carl

Department of Computer Science and Engineering Ph.D. Student
Component-Based Framework for Memory Management Studies

Thursday, March 13

2:00 PM

145 Russ Engineering Center

Ms. Yonca Haciahmetoglu

Department of Computer Science and Engineering Ph.D. Student
Virtual Poster Presenter

OSGC Scholarships and Fellowships

The Ohio Space Grant Consortium (OSGC) is accepting applications for undergraduate scholarships and graduate fellowships for the 2003-2004 school year for students pursuing aerospace-related science and engineering degrees.

What are "aerospace-related science and engineering degrees?" Among the recent undergraduate recipients listed on the OSGC website, there are every imaginable sort of engineer. This program is also open to computer science, biology, physics and mathematics majors.

The undergraduate scholarship amounts are \$2,000 for juniors and \$3,000 for seniors (based on student classification as of Fall 2003), and WSU will award at least two junior and at least two senior awards! The graduate fellowship amounts are \$14,000 for Masters level and \$18,000 for Doctoral level students and WSU students will compete with other students across Ohio for these awards.

For more information, visit:

<http://www.osgc.org>
and either
<http://www.osgc.org/Scholarship.html>
or
<http://www.osgc.org/Fellowship.html>

The program is limited to U.S. citizens and the application deadline is February 28, 2003.

Mitch Wolff (Department of Mechanical and Materials Engineering, 123 Russ, mwolff@cs.wright.edu) is the Wright State representative for the OSGC. Brochures and application forms are available from Dr. Wolff, the Dean's Office (405 Russ), or online via the OSGC website.

Term Paper Research Clinics

Students working on term papers and research projects now have a new resource from the University Libraries. The Libraries' Term Paper Research Clinics are designed to help students:

- Learn basic information searching skills
- Use the Libraries' web site
- Find quality, pertinent resources on their topic

These one-on-one, one-hour sessions with a Reference Librarian can help you improve your library research skills. The clinics will be available now through February 28, 2003. Students are required to make reservations. For more information or to schedule an appointment, visit the Information Desk on the second floor of the Dunbar Library or call (937) 775-2925.

Another Successful Co-Op Recruiting Day

The Co-Op Recruiting Day for engineering, computer science, and MIS students held on January 23rd in the lobby of the Russ Engineering Center was an enormous success once again. Over 250 professionally dressed students attended the event. Representatives from 14 companies were on-hand to recruit and interview students for positions available during spring and summer quarters.

Companies participating in the event included A.O. Smith, Abacus Technology Corporation, Applied Optimization, Ball Aerospace and Technologies Corporation, General Electric Aircraft Engines, MacAulay-Brown, NASA, NCR, Ohio Department of Transportation, Qualia Computing Inc., SOCHE, Speedway SuperAmerica LLC, Systran Corporation, and Wright Patterson Air Force Base.

The next Co-Op Recruiting Day will be held on Thursday, July 24th and the employers will be seeking students for fall or winter quarter co-op positions. Watch for more information in the coming months.


Student Deadline for FE Exam

Last Chance!

The student application deadline for the Fundamentals of Engineering Exam is Wednesday, February 12, 2003.

If you plan to take the exam on Saturday, April 12, 2003 at WSU, you must complete and submit your application, fee payment, and dean's letter by Feb 12, 2003. Don't wait until the last minute as your application must be notarized and submitted with a passport type photo.

Need more information? Want a free copy of the FE Reference Book that will be used during the exam? Stop by the dean's office in 405 RC and see Dick Rathbun, or call 775-5001.

BITs & PCs College of Engineering and Computer Science Wright State University		
Dean James E. Brandeberry, Ph.D., P.E.	Editor Jenny Garringer	
<p><i>BITs & PCs</i> is a monthly newsletter published by the College of Engineering and Computer Science to inform students about activities, news, opportunities and changes occurring in the College. It reports on the achievements of faculty and students; changes in organization, policy and curriculum; scholarship and employment opportunities; and engineering and computer science student club activities.</p> <p>The current issue of <i>BITs & PCs</i> is available on the Web at http://www.cs.wright.edu/bitsandpcs/. Copies are also available in the College office, any Department office, literature racks in the Russ Center Atrium, Russ Center Study Lounge, or the Student Club Room.</p> <p>The next issue of <i>BITs & PCs</i> will be published the week of March 3, 2003. To submit items for this issue, call the College of Engineering and Computer Science at (937) 775-5001, or send email to jgarringer@cs.wright.edu by February 21, 2003. The College of Engineering and Computer Science reserves the right to edit all material for publication.</p>		

SCHOLARSHIPS AND FELLOWSHIPS

The **American Public Power Association (APPA)** awards scholarships each year of its DEED (Demonstration of Energy-Efficient Developments) Program. APPA will award one \$5,000 Technical Design Project each year intended to promote the involvement of students studying energy related disciplines and geared towards engineering students. Deadline is October 15, 2003. For more information and an application visit DEED's website at www.APPAnet.org, and select DEED from the menu bar. You may also call or email Bethany Luna at (202) 467-2993 or send an e-mail to DEED@APPAnet.org.

The **Associated General Contractors (AGC) of Ohio** offers the Northwest Ohio Scholarship, a \$1,000 scholarship, offered to students from the Northwest Ohio area AND/OR a child/step child of an employee or an employee (working for an eligible company for 6 months or 800 hours in the past year) of a union company belonging to one of the associations affiliated with the Construction Contractors Council. These associations include AGC of N.W. Ohio; Associated Door Contractors of Northwestern Ohio; Toledo Area Flexible Paving Contractors, Inc.; Glass & Glazing Employers Association of Toledo; Mason Contractors Association of Toledo, Inc.; Master Insulators Association of Toledo, Ohio, Inc.; Sheet Metal Contractors Association of Northwestern Ohio, Inc.; Tile & Terrazzo Contractors; Toledo Area Carpenters Employers Association, Inc.; Toledo area Roofing Contractors Association; Toledo Chapter, Painting & Decorating Contractors of America, Inc.; and Toledo Heating & Air Conditioning Contractors Association, Inc. Students must be of at least sophomore standing, U.S. citizen, and have a minimum GPA of 2.5. They must be pursuing a career in construction. For more information, contact AGC at 1-800-557-6446 or e-mail agc@agcoho.com.

The **Association of State Dam Safety Officials** is offering \$5,000 scholarships for the 2003-2004 school year. Recipients must be U.S. citizens and enrolled at the senior level in an accredited civil engineering program, or in a related field as determined by ASDSO. To qualify, students must have a cumulative grade point average of 2.5 for the first two years of college and be recommended by their academic advisor. They must also submit a typewritten essay on the topic: What is ASDSO and why is dam safety important. ASDSO will be the final determiner in each instance and will use guidelines such as academic scholarship, financial need, work experience/activities, and essay. Applications are available on the ASDSO's web site: www.damsafety.org. The application deadline is February 14, 2003.

The **Central Ohio Associated General Contractors (AGC) Scholarship** offers two \$1,000 scholarships to students with permanent addresses in one of the counties within the Central Ohio AGC territorial jurisdiction. These counties include: Franklin, Madison, Logan, Union, Hardin, Marion, Delaware, Morrow, Knox, Licking, Muskingum,

Perry, Fairfield, Pickaway, Champaign, Fayette, Ross, Gallia, Meigs, Hocking, Vinton, Jackson, Lawrence, Guemsey, Morgan, Noble, Washington, Athens, and Monroe. Students must be of at least sophomore standing, U.S. citizen, and have a minimum GPA of 2.5. They must be pursuing a career in construction. For more information, contact AGC at 1-800-557-6446 or e-mail agc@agcoho.com.

The **Doctoral Scholars Forgivable Loan Program** provides funding to assist promising engineering graduate students and encourages them to pursue careers in teaching at the college level. Provides forgivable loans in amounts up to \$5,000 per year for 3 years. One year's loan is forgiven for each year the recipient teaches engineering on the faculty of an accredited engineering school upon graduation. Applicants must be citizens of the U.S., Canada, or Mexico. Deadline is April 1, 2003. Printable applications are available on the SAE website at www.sae.org/students/stuschol.htm.

The **Engineers Foundation of Ohio General Fund Scholarship** is a one-year non-renewable grant of \$1,000 for tuition and fees. The applicant must achieve junior status at the end of the academic year in which the application is submitted and be a citizen of the U.S. and permanent resident of Ohio. A minimum GPA of 3.0 is required along with a minimum SAT (Math=600, Verbal=500) or ACT (Math=29, English=25). Must be enrolled full-time at an Ohio college or university in a curriculum leading to a Bachelor of Science degree in engineering or its equivalent. The scholarship will be offered this year only! Deadline for submission is February 14, 2003. For more information visit www.ohioengineer.com or e-mail ospe@iwaynet.net.

The **Lloyd A. Chacey, P.E. Scholarship** is a one-year grant of \$2,000. It is renewable for one year provided the recipient maintains standards of academic progress and quality. The applicant must be a son, daughter, brother, sister, spouse, niece, nephew, or grandchild of a current member of the Ohio Society of Professional Engineers or so related to a deceased member who was in good standing at the time of his or her death. The applicant must achieve junior status at the end of the academic year in which the application is submitted and be a citizen of the U.S. and permanent resident of Ohio. A minimum GPA of 3.0 is required along with a minimum SAT (Math=600, Verbal=500) or ACT (Math=29, English=25). Must be enrolled full-time at an Ohio college or university in a curriculum leading to a Bachelor of Science degree in engineering or its equivalent. The scholarship will be offered this year only! Deadline for submission is February 14, 2003. For more information visit www.ohioengineer.com or e-mail ospe@iwaynet.net.

The **NSPE Past President Scholarship** is a one-year non-renewable grant of \$1,900 for tuition and fees. The applicant must achieve

junior status at the end of the academic year in which the application is submitted and be a citizen of the U.S. and permanent resident of Ohio. A minimum GPA of 3.0 is required along with a minimum SAT (Math=600, Verbal=500) or ACT (Math=29, English=25). Must be enrolled full-time at an Ohio college or university in a curriculum leading to a Bachelor of Science degree in engineering or its equivalent. The scholarship will be offered this year only! Deadline for submission is February 14, 2003. For more information visit www.ohioengineer.com or e-mail ospe@iwaynet.net.

The **Paul H. Robbins, P.E., Memorial Scholarship** is awarded annually to current junior and senior undergraduate engineering students that are enrolled in an ABET-accredited engineering program and attending a college/university that participates in the NSPE Professional Engineers in Education (PEE) Sustaining University Program (SUP). The scholarship is awarded in two increments of \$5,000 per year for two years. Deadline is March 1, 2003. For more information contact Mary Maul, NSPE, at (703) 684-2857 or mmaul@nspe.org.

The **SAE Long Term Member Sponsored Scholarship** is open to all SAE student members entering their senior year or undergraduate engineering studies between August 2003 and February 2004. Student grade point average is not a determining factor within the scope of the scholarship. Recipients receive a \$1,000 nonrenewable scholarship. Deadline is April 1, 2003. Printable applications are available on the SAE website at www.sae.org/students/stuschol.htm.

The **U.S. Air Force Bioenvironmental Engineering Scholarship Program** is offering full-tuition scholarships for seniors and graduates students within one year of graduation. The Air Force will also reimburse for textbooks and other supplies as well as supply the recipients with a monthly stipend of over \$1,100. Recipients are guaranteed employment for three years as a Bioenvironmental Engineer after graduation. U.S. citizenship is required.

For more information, contact:

MSgt Doug Fields
2940 Presidential Drive, Suite 160
Fairborn, OH 45324-6210
E-mail: douglas.fields@rs.af.mil

The **Yanmar/SAE Scholarship** is awarded to college seniors or graduate students pursuing a course of study related to the conservation of energy in transportation, agriculture, and construction, or power generation, with emphasis on the internal combustion engine. One \$2,000 scholarship awarded at the rate of \$1,000 per year. Applicants must be citizens of the U.S., Canada, or Mexico. Deadline is April 1, 2003. Printable applications are available on the SAE website at www.sae.org/students/stuschol.htm.

The **SOCHE Student Research Program** has several positions for undergraduate and graduate students available in the Materials Lab at Wright-Patterson Air Force Base. They offer flexible work schedules, career-related work experience in their state-of-the-art labs, and competitive wages while you learn (Sophomore: \$11.25/hr, Junior: \$12.65/hr, Senior: \$14.00/hr, Graduate: \$17.20/hr, Ph.D.: \$20.80/hr). Applicants must be degree seeking students in good standing with U.S. citizenship. No experience is necessary. The following positions are currently available at SOCHE:

Project No. 11.1 - Alpha/Beta Heat Treatment of Ti-6Al-4V

Majors: Materials Science, Chemical Engineering, Mechanical Engineering

Description: Optical and SEM metallography will be conducted on samples of Ti-6Al-4V (with a starting equiaxed-alpha microstructure) that have been given various heat treatments in the alpha/beta phase field. The heat treatment variables will include initial primary-alpha size/size distribution, peak temperature, cooling rate, and quench temperature. For each heat treatment, the volume fraction and size distribution of primary alpha will be determined using quantitative metallography techniques. The scatter in the data will be examined from a statistical viewpoint to establish quantitative relations between the microstructural features and the heat treatment variables.

Project No. 28.1 - Infrared Materials Characterization

Majors: Materials Science, Physics, Computer Science

Description: The student shall develop experimental techniques to characterize linear and non-linear infrared optical materials. The materials shall be characterized as a function of wavelength and temperature. The student must be able to use data automation software and become familiar with optical characterization techniques.

Project No. 44 - Novel Materials Studies for Aircraft Coatings

Majors: Chemical Engineering, Materials Science

Description: The work involves hands-on, in-house research of new coating materials for aircraft corrosion protection. The new materials to be investigated included sol-gel based surface treatments, hybrid sol-gel based thermal control

coatings, and new aircraft paint systems. The work includes electrochemical and chemical analysis (EIS, SVET, FTIR, Raman, ESR, etc.), surface chemical analysis of coating materials, analysis of the effects of various treatments on aluminum alloys, and a variety of analytical studies directed to elucidate corrosion protection mechanisms. These surface studies include XPS and Auger analysis of alloy surfaces, analysis of alloy grain boundary chemistry, effects of surface treatments on the alloy grain boundary chemistry, and investigation of corrosion inhibitor mechanisms.

Project No. 45 - Surface Analytical Studies of Aircraft Coatings

Majors: Chemical Engineering, Materials Science

Description: The work involves hands-on, in-house research of metallic corrosion phenomenon and new coating materials. The new materials to be investigated included substrates sol-gel based surface treatments, hybrid sol-gel based thermal control coatings, and a variety of organic paint systems. The work includes surface chemical analyses (XPS, AES) of coating materials, analysis of the effects of various treatments on aluminum alloys, a variety of analytical studies directed to elucidate corrosion protection mechanisms, and chemical analysis (FTIR, Raman, ESR, etc.). These surface studies include chemical analysis of alloy surfaces, analysis of chemistry, and investigation of corrosion inhibitor mechanisms, all aimed at development of high performance corrosion protection systems.

Project No. 52 - Research in Organic Optical Waveguides

Majors: Physics, Electrical Engineering

Description: Synthesis, deposition and characterization of thin film waveguides. Characterization of waveguides will be carried out using a variety of techniques including model analysis, absorption measurements, ellipsometry, and profilometry. Data to be obtained may include refractive indices, nonlinear coefficients, electro-optic coefficients, and absorption coefficient.

Interested students can get an application via the SOCHE website at:

www.soche.org

Applications must be submitted with a résumé and transcript. For more information, call the SOCHE office at (937)258-8894.

Successful January Linux Install Fest

The ACM-IEEECS in partnership with the DMA LUG (Dayton Microcomputer Association Linux Users Group) hosted a Linux Install Fest on January 11, the event was a huge success. Twenty eight successful Linux installs were completed and over 200 Linux Distribution CD's were given to attendees. Presentations were given about Linux and its capabilities. Estimated attendance was seventy people. March 29th is the tentative date for the Spring install fest.

Student comments from the install fest:

"Thanks so much for helping set this Linux Install Fest up. I asked a few questions that have troubled or confused me in the past and received excellent help trouble shooting my Linux box."

-- Justin Maurer

"Running Mandrake 9.0 on my AMD Athalon with 512 MB RAM. Thanks for organizing the Linux Install Fest."

-- Matt Kastro

Need help with your Linux system and can't wait until the next ACM-IEEECS/DMA LUG Install Fest? Bring your questions to the DMA LUG meetings on the 3rd Thursday of each month. The meetings are held on campus in room 145 RC. See the DMA LUG home page for more information:

<http://www.dma.org/linuxsig>

Thanks to the DMA LUG for their Linux expertise, Dr. Garcia and the Computer Science Department, Dr. Mateti for the use of his lab equipment, Keith Huck for providing lots of cables, Parag Sharma for help with setup, Dr. Rizki for using his lab space, and all the other volunteers.

Faculty Facts

Cox, Michael (CSE)

Goal-Based Plan Management for Emergency Response

Science Applications International Corporation (SAIC)

12/3/02 - 9/30/03.....\$20,000

Gallimore, Jennie (BIE)

Mohler, Stanley (Aerospace Medicine)

Pilot Spatial Orientation

Dayton Area Graduate Studies Institute (DAGSI)

7/2/01 - 6/30/03.....\$9,750

Garcia, Oscar (CSE)

Featured in the Researcher Spotlight on the Ohio Supercomputer Center website (www.osc.edu)

Grandhi, Ramana (MME)

Adaptive Structures - Based on Energy Design (ASBED)

Anteon Corporation

7/26/02 - 5/16/03.....\$102,000

INTERNSHIP OPPORTUNITIES

A new **Summer Technical Recruiting Internship Program sponsored by the Air Force ROTC** is an opportunity for selected Electrical and Computer Engineering *sophomore* students to work at an Air Force Laboratory in Summer 2003. Interns will be hired as temporary GS-04 employees and will earn approximately \$4,700 in salary. Basic eligibility requirements include a cumulative GPA of 2.5 or higher, US citizenship, and being less than age 31 upon graduation. Additional requirements will be outlined at the Information Meeting on Monday, February 10th at 6:00PM in 144 Russ Engineering Center. For more information contact Jeremy Martin at (937) 775-4292 or e-mail him at jeremy.martin@wright.edu.

The **NSF/SRC Engineering Research Center for Environmentally Benign Semiconductor Manufacturing** is offering a summer research internship for undergraduates. The program will place undergraduate engineering and science students in research labs at the University of Arizona, University of California (Berkeley), Massachusetts Institute of Technology (MIT), Stanford, Arizona State University and Cornell for 9 weeks from June 2 to August 1, 2003. A student stipend, housing, and travel costs will be paid. Applications due March 15, 2003. For more information visit www.erc.arizona.edu or call or e-mail Sally Clement at (520) 626-6781 sclement@erc.arizona.edu.

The **Science Foundation Research Experience for Undergraduates** is open to all engineering, mathematics, and science disciplines with an interest in biomechanics are encouraged to apply. The ten-week program will begin on Wednesday, May 21, 2003 and end on Wednesday July 30, 2003. Students will receive a stipend of \$3,500 as well as free on-campus housing and meals. Travel subsidies of up to \$300 are also available to help defer participant expenses. Applications must be postmarked by February 28, 2003.

For more information visit the website at www.engr.ku.edu/bereu/ or call or e-mail at (785) 864-3181 bereu@ku.edu.

The **Naval Research Laboratory Postdoctoral Fellowship Program** is offered for students who have received their Ph.D.'s, are US citizens or permanent residents, and are interested in applying themselves in a challenging, creative and progressive scientific environment. Each participant must present evidence of having received a Ph.D., Sc.D., or other earned research doctoral degree recognized in US academic circles as equivalent to a Ph.D. The applicant must submit a 5-10 page research proposal that relates to a specific research opportunity. Fellowships are awarded for one year and may be extended for a second and third year. For application material and detailed information visit the website at www.asee.org/nrl.

ATTENTION SENIORS

Do you have plans to attend grad school in Fall 2003?

You are encourage to apply for a full tuition scholarship from the Dayton Area Graduate Studies Institute (DAGSI). Applications and complete details are available at www.dagsi.org.

IMPORTANT: You must apply and be accepted to WSU's School of Graduate Studies (SOGS) before the March 15, 2003 scholarship application deadline.

To apply to SOGS please see:
www.cs.wright.edu/gs/admissioninfo.html

No DAGSI applications will be accepted from students who have not received "Conditional" or "Regular" admission from SOGS by March 15, 2003.

Suggested Time Line for Seniors

Interested in DAGSI

ASAP

Mid January

Late January

Early February

Mid February

March 15, 2003

Late March

Apply to the School of Graduate Studies
Check with your department and/or advisor to make certain your admittance status is either "Regular" or "Conditional"

Begin making requests for letters of refernce from professors/advisors/employers. You must turn in 2 reference letters with the DAGSI scholarship application no later than March 15, 2003.

Finalize paperwork required by SOGS to ensure that you have been admitted to your program of study, as either "Regular" or "Conditional."

Complete DAGSI Scholarship Applications and forward it to the Dean's Office, 405 Russ Engineering Center. (See application for complete mailing address)

Final deadline for scholarship application forms.

Receive notification of your award from the DAGSI office

Applications are now being accepted for



DAGSI
Competitive
Scholarships

for the 2003-2004 academic year.

Visit

www.dagsi.org

to get a downloadable application form.

For more information, contact:

College of Engineering and Computer Science
Office of the Dean

405 Russ Engineering Center

Phone: (937) 775-5001

Email: dean@engineering.wright.edu

Scholarships provide full tuition for both full-time and part-time study in the M.S. and Ph.D. programs. Full-tuition scholarships with an annual assistantship (\$15,000) are available for full-time Ph.D. students.

Applicants must be admitted into the WSU School of Graduate Studies in an engineering or computer science program of study before their DAGSI application can be processed. **Please Note:** The graduate school admission process may take 2-3 weeks to complete.

Completed DAGSI Competitive Scholarship applications must be submitted by **5:00 PM on March 15, 2003**, to Room 405 Russ Engineering Center.



Office of the Dean

College of Engineering and Computer Science
3640 Colonel Glenn Hwy.
Dayton, OH 45435-0001

