

Wright State University

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BITs and PCs Newsletter

College of Engineering & Computer Science

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2-1-1997

**Wright State University College of Engineering and Computer  
Science Bits and PCs newsletter, Volume 13, Number 2, February  
1997**

Wright State University College of Engineering and Computer Science

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# BITs & PCs

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

January 1997 Wright State University Dayton, Ohio 45435 Vol. 13 No. 1

## WSU Team to Compete in Robotics Competition

An interdisciplinary team of undergraduate students has taken on the task of designing, testing, and fabricating an autonomous ground vehicle for the 5th International Ground Robotics Competition taking place May 31 through June 2, 1997.

The group consists of advisor Dr. Russell Hannen (Electrical Engineering) and students Greg Bartell (Electrical Engineering), Eric Moyer (Computer Science), Isabel Rojano (Mechanical Engineering), and Brad Smith (Computer Engineering).

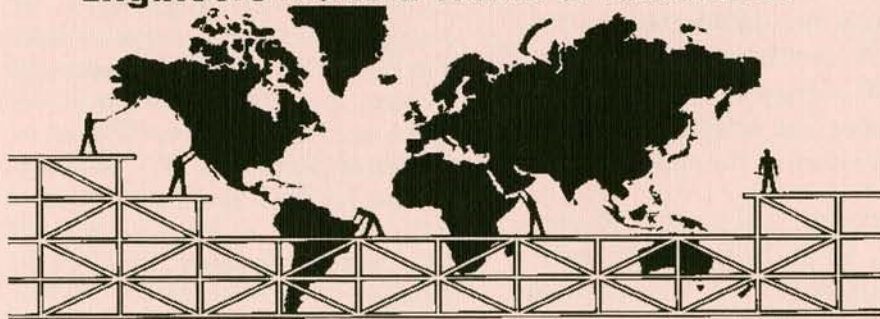
In 1993, the Association for Unmanned Vehicle Systems International (AUVSI), an international professional organization, began sponsoring a student competition to promote autonomous vehicle technologies. The U.S. Army Tank-Automotive

Command and Oakland University are the primary sponsors of the AUVSI Ground Robotics Competition. The goal of the competition is to have the vehicle autonomously travel an obstacle track approximately 1/4 mile long at a maximum speed of five miles per hour.

Major sensors in the vehicle will be sonar sensors and video cameras. An on-board computer will integrate these sensor inputs and generate steering and velocity commands to keep the vehicle within the edges of the track and to avoid all obstacles.

Throughout the years, AUVSI land competition has grown—both nationally and internationally. In 1996, seventeen universities competed including entrants from a Canadian and a Japanese university.

## Engineers Make a World of Difference



Handle With Care.

National Engineers Week® February 16-22, 1997

### Dates to Remember!

- Jan. 20 — ML King Day Univ. Closed
- Feb. 17 — Russ Center Open House
- Feb. 20 — TEAMS
- Feb. 22 — Cacioppo Teaching Lab Dedication
- March 3 — Last day to apply for June graduation

## What's Inside?

- Employment Opportunities ..... 2
- Faculty Facts ..... 4
- Longevity Awards ..... 4
- National Engineers Week ..... 5
- Scholarships & Fellowships ..... 6
- Teaching Effectiveness Award Nomination Form ..... 9

# EMPLOYMENT OPPORTUNITIES

**Frontier Technology, Inc. , (FTI)** in Beaver Creek, Ohio, has multiple openings. FTI focuses on solving problems in the areas of analysis, design, performance studies, ops research analysis, life cycle cost analysis, and modeling and simulation. FTI desires assertive, pro-active individuals possessing:

- √ Excellent interpersonal skills, (communication and written)
- √ Microsoft Office Development Tools
- √ Visual Basic
- √ Visual C++
- √ JAVA
- √ Military Modeling & Simulation
- √ US Citizenship/Security Clearance Required

Part-time (Seniors and Graduate Students) and Co-op opportunities exist immediately!

If interested, bring resume to Brian Maxwell, Assistant Director, WSU Career Services, 126 Allyn Hall, 937/775-2556.

**Battelle**, a world leader in the development, application, and management of evolving or state-of-the-art technologies, is seeking entry level Information Systems professionals to join new project teams located in Dayton, Ohio. All positions require highly motivated individuals with excellent communication and interpersonal skills. Full-time positions as well as internships are available.

**Junior Engineers:** Requires BS/MS in Management Information Systems, Computer Science, or related technical discipline. Excellent opportunity for college graduates to join a development team of experienced professionals. Case Tools, Oracle, Oracle Forms,

PowerBuilder, Sybase, UNIX, NT + Windows, C/C++.

**Junior Engineer Internships:** Must be a Senior in Management Information Systems, Computer Science, or related technical discipline. Excellent opportunity for college students graduating in spring or summer. Case Tools, Oracle, Oracle Forms, Sybase, PowerBuilder, UNIX, NT + Windows, C/C++.

Battelle offers a comprehensive compensation and benefits, as well as opportunities for professional challenge and development. Send resume and cover letter to Deborah K. Gross, Battelle, 5100 Springfield Pike, Ste 219, Dayton, OH 45431-1262.

**The Air Force Institute of Technology** is seeking an MS student to work 1,040 hours on a research project to establish the necessary precision to control the motion of a centrifuge to be used as an aircraft flight simulator. The task involves modeling centrifuge dynamics and control, programming of metrics and development of a graphics demonstration.

Software that will be used includes: 1) Robotica, a Mathematica-based package to generate symbolic equations of motion; 2) Simulink, a Matlab controls simulation package to predict centrifuge response; and 3) IGRIP, a graphics simulation package that will demonstrate the articulation of the centrifuge.

The project will pay \$12.00 per hour. Interested students may contact W. Tyler Cluverius, AFIT, at 202-331-3509 or via E-mail at [w.cluverius@asee.org](mailto:w.cluverius@asee.org).

**Dr. Philip Chen** is seeking a Graduate Research Assistant to begin work Winter Quarter 1997 in Computation Intelligence projects such as Neural Networks and/or Fuzzy systems applications. The position pays a monthly stipend and a tuition waiver for up to two years.

Requirements:

- ⇒ US Citizen
- ⇒ Know how to program in C (or MATLAB)
- ⇒ Good background in Linear Algebra

If interested, contact Dr. Philip Chen at [pchen@cs.wright.edu](mailto:pchen@cs.wright.edu) or submit a short (1-2 pages) resume in Dr. Chen's department mailbox.

Continued on Page 5

*BITs & PCs* 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.

The current issue of *BITs & PCs* is available on the World Wide Web at <http://www.cs.wright.edu/info/bits&pcs.html>. There are also links to past on-line issues and the College home page at <http://www.cs.wright.edu/>. Copies are also available in the College office, any Department office, or the Student Club Room. The next issue will be published the week of February 3, 1997. To submit items for this issue, please phone the College of Engineering and Computer Science, 405 Russ Engineering Center, at 937-775-5001, or E-Mail [kthis@cs.wright.edu](mailto:kthis@cs.wright.edu) by January 16, 1997.

# EMPLOYMENT OPPORTUNITIES

**Ball Aerospace and Technologies Corp.** has an immediate opening for an Associate Software Engineer to design, develop, integrate, and test software modules in an embedded hardware/software environment utilizing MIL-STD-2167A or similar guidelines. A BS in Computer Engineering, Computer Science, Electrical Engineering, or a related field is required. C/C++ and Unix/Windows development environment background are desired.

Ball has contributed significantly to the world in Earth and space sciences, planetary explorations, wireless communication, remote sensing, and national defense. Ball is a pioneer in the design and manufacture of end-to-end missions, spacecraft, and instruments.

Ball is located at the foot of the beautiful Rocky Mountains in the Boulder/Denver area. This cosmopolitan area offers cultural diversity and an incomparable variety of recreational activities.

Interested candidates may submit a resume and cover letter to:

Ball Aerospace and Technologies Corp.  
P.O. Box 1235  
Broomfield, CO 80038

**Rose City Manufacturing** has a position available for a Manufacturing Engineer with experience in stamping and welding preferred in medium to high volume production.

Candidates must be computer literate and possess excellent interpersonal skills and support a team environment. Responsibilities will include implementation QS9000. A bachelor's degree or equivalent experience is required.

Interested candidates should submit a resume and salary requirements to:

Rose City Manufacturing  
P.O. Box 237  
Springfield, OH 45501

## Engineering Co-ops Available

Mechanical & Electrical Engineers needed by a large north Dayton manufacturing plant. Candidates would work under a senior engineer doing data analysis, hardware inspection, and gaging.

Electrical Engineers needed to draft test plans, assist in generating bill of materials, maintain parts inventory, assist in building new prototype PC boards and in debugging and testing equipment.

Mechanical Engineers needed by a Cincinnati based company focusing on gas turbine engine components. Duties will include conceptual design, analysis, layout, detailing, procurement, installation coordination, test set-up, troubleshooting, and report writing.

For more information on these and other co-op positions currently available, contact Brian Maxwell (bmaxwell@wright.edu) or Beverly Day (baday@wright.edu), Career Services, 126 Allyn Hall, 775-2556.

**You have this huge stack of class notes left to copy and only 5 copies left on your copy card.....  
What ARE you going to do?!??!?**



**GOOD NEWS....  
Look what's come to the Russ Center!  
A new copy card regeneration machine has been installed by the public telephones (near) the vending machines.**

# FACULTY FACTS

**A.A.S. Awwal, Ph.D., (CSE)**, has received funding in the amount of \$1,840 from Zybron Optical Electronics for his proposal entitled "Neural Network Based Recognition." >

**Brian J. d'Auriol, Ph.D., (CSE), and Donald K. Bierley (student author)** have published "The Role of Language in the Unified Model for Compiling Systolic Computations for Multicomputers" in the Proceedings of the *Eighth IASTED/ISMM International Conference on Parallel and Distributed Computing and Systems (PDCS'96)*; Chicago, IL, pp. 352-355, October 1996. >

**Brian J. d'Auriol, Ph.D., (CSE), and Baqui Billah (student author)** have published "Compilation Issues for High Performance Computers: A Comparative Overview of a General Model and the Unified Model" in the *Proceedings of the Eighth IASTED/ISMM International Conference on Parallel*

*and Distributed Computing and Systems (PDCS'96)*; Chicago, IL, pp. 359-363, October 1996. >

**Brian J. d'Auriol, Ph.D., (CSE), and Meera B. Dugar (student author)** have published "A Systolic Array Graph Partitioning System" in the Proceedings of the *Eighth IASTED/ISMM International Conference on Parallel and Distributed Computing and Systems (PDCS'96)*; Chicago, IL, pp. 356-358, October 1996. >

**Oscar N. Garcia, Ph.D., (CSE)**, has received funding in the amount of \$241,314 from the National Science Foundation and in the amount of \$91,272 from the Ohio Board of Regents Action Fund for his proposal entitled "Specialized Communications and Terminal Equipment." >

**Lang Hong, Ph.D., (EE)**, has received funding in the amount of \$6,000 from MRLets Technologies, Inc. for his

proposal entitled "Multi-Res/Multi-Rate Target Tracking."

He has also received funding in the amount of \$25,000 from the USAF Wright Laboratory for his proposal entitled "Multiplatform Cooperative Fire Control." >

**Giorgio McBeath, D.Eng., (ECS)**, has received additional funding in the amount of \$3,000 for the Ohio Aerospace Institute Fellowship proposal. >

**Joseph Slater, Ph.D., (ME)**, presented "An Optimization Based Technique for Determining Nonlinear Normal Modes" at the 1996 ASME International Mechanical Engineering Congress and Exposition. >

**Isaac Weiss, Ph.D., (ME)**, has received additional funding in the amount of \$3,475 from a consortium of sponsors for his proposal entitled "Materials Analysis." >

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## College Faculty and Staff Receive Longevity Awards

Several faculty and staff in the College of Engineering and Computer Science will be receiving awards from President Flack for their years of service to Wright State University. A special recognition ceremony is scheduled for Thursday, January 23, 1997, at 2:00 p.m. in the Multipurpose Room of the Student Union.

### Ten Years of Service

**Suellen Grieshop**  
Mechanical & Materials  
Engineering

**Belle A. Sheno**  
Electrical Engineering

**Karil S. This**  
Engineering & Computer Science

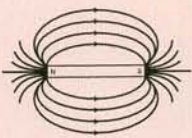
### Fifteen Years of Service

**James D. Arehart**  
Instrument/Machine Shop

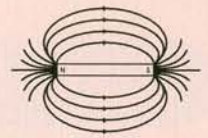
**Raymond E. Siferd**  
Electrical Engineering

Please join us in congratulating these individuals for reaching these landmark anniversaries.

*Kudos & Congratulations to each of you!*



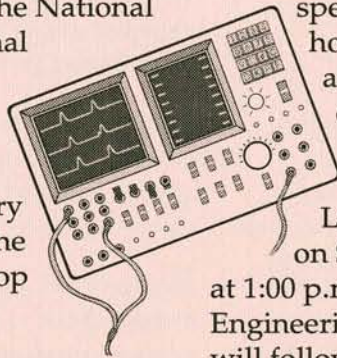
# 1997 National Engineers Week



The 1997 celebration of National Engineers Week will take place from February 16-22, 1997. Mark your calendar and plan to join the activities.

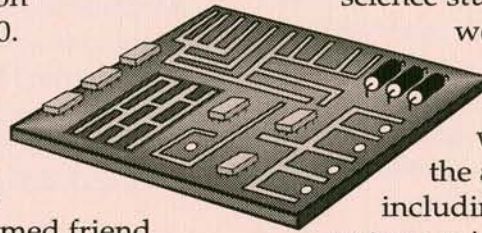
National Engineers Week is the only nationwide celebration of the engineering profession. It was established by the National Society of Professional Engineers in 1951.

Our college Open House is scheduled for Monday, February 17, from 1 - 6 p.m. The college level Egg Drop Competition will be held on Tuesday, February 18—start engineering



those EGGstra safe contraptions now! The JETS/TEAMS Competition for area high school students will be held on Thursday, February 20.

This year's National Engineers Week will conclude with a special event to honor an esteemed friend and colleague. The dedication ceremony for the Anthony J. Cacioppo Teaching Laboratory will be held on Saturday, February 22 at 1:00 p.m. in 144 Russ Engineering Center. A reception will follow the dedication ceremony.



Many activities are being planned for National Engineers Week. Engineering and computer science students who would like to volunteer to help with any of the activities, including serving as tour guides for the Open House, contact Teri Shepherd, 405 Russ Engineering Center, 775-5001.

If you have any suggestions for new activities or events for this celebration, contact 405 Russ Engineering Center, 775-5001. Your interest and suggestions are greatly appreciated.

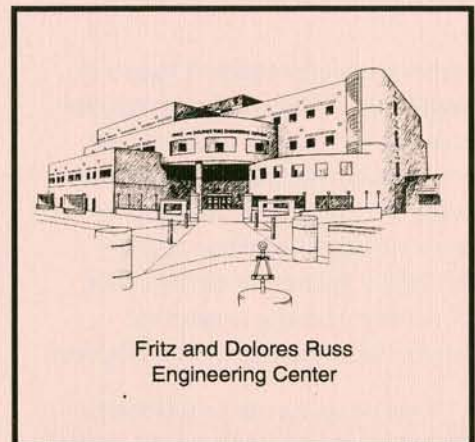
## Ty D. Upp says . . . . .

The paper towels in the Russ Center restrooms are intended for hand-drying and should be disposed of *only* in the trash receptacles.

These paper towels are not flushable and, therefore, should *NOT* be disposed of in toilets or urinals. Attempts to dispose of them in this manner result in an unsightly mess and incurs costly plumbing repairs.

*Thanks for your cooperation.*

*Please dispose of your paper towels **only** in trash receptacles!*



Fritz and Dolores Russ Engineering Center

**Bits & PCs**  
College of Engineering and Computer Science  
**Wright State University**

**Dean**  
James E. Brandeberry, Ph.D., P.E.

**Editor and Staff Writer**  
Karil S. This

Submit questions, articles and ideas to Editor, 405 Russ Engineering Center. The College of Engineering and Computer Science reserves the right to edit all material for publication.

Ty D. Upp is a regular feature in BITs & PCs. faculty, staff, and students are welcome to submit prospective topics for Ty D. Upp to address in this column. Just contact [kthis@delta.cs.wright.edu](mailto:kthis@delta.cs.wright.edu) or stop by the Dean's Office at 405 Russ to submit your suggestions.

# Scholarships and Fellowships

Argonne National Laboratory is accepting applications for:

**Student Research Participation Program**—an eleven-week program in early June through mid-August. Participants engage in research activities and attend seminars and tours dealing with current science and engineering topics.

The program provides a weekly stipend, housing allowance, and limited travel reimbursement and is available to U.S. citizens or permanent resident aliens who are sophomore, junior, senior, or first-year graduate students with a 3.0/4.0 grade point average.

Send E-mail to [lreed@dep.anl.gov](mailto:lreed@dep.anl.gov). Apply by **February 1, 1997**.

**Laboratory-Graduate Research Program**—designed for graduate students who wish to carry out their thesis research at Argonne under the co-sponsorship of an Argonne staff member and a university faculty member. The university sets the academic standards and awards the degree.

This program is available to U.S. citizens or permanent resident aliens enrolled in a graduate program in the areas of Physical and Life Sciences, Mathematics, Computer Science and Engineering, or applied research programs relating to Coal, Conservation, Environmental Impact and Technology, Fission, and Fusion Technology. The program provides a stipend, tuition payment up to \$5,000 per year, and limited travel expenses.

Send E-mail to [gshelton@dep.anl.gov](mailto:gshelton@dep.anl.gov). **Applications are accepted year-round.**

**Cooperative Education Program**—employment opportunities for Computer Science, Electrical Engineering, Materials Engineering, Mechanical Engineering, Nuclear Engineering, Physics, Chemistry, Biology, Environmental Science, and Mathematics majors.

Applications, transcript, and recommendations should be submitted through the University's Cooperative Education Office. Applicants must be interested in working in a research environment and have a "B" or better average.

To be considered for September assignments, you must **apply by April 1**.

For more information on the Argonne programs, come to 405 Russ to review more detailed information.



**The Propulsion Research Center of the University of Alabama in Huntsville** is seeking highly qualified graduate students for research in:

- ◆ Advanced Propulsion Concepts
- ◆ Air Breathing Propulsion
- ◆ Solid and Liquid Propellant Combustion
- ◆ Solar Thermal Propulsion
- ◆ Rotor Dynamics, Bearings and Seals
- ◆ Other Propulsion-Related Topics

Applicants must be U.S. citizens and have a record of successful accomplishment in recognized programs in Mechanical and Aerospace engineering. Applicants must have demonstrated potential for successful graduate research at the Ph.D. level. Undergraduates who have shown exceptional promise for graduate study may be considered for an MS program.

The fellowship entails tuition waiver and a competitive stipend and is renewable yearly based upon satisfactory performance.

If interested, send resume, brief statement of research interests, copy of transcripts, and a list of three professional references to:

Dr. Clark W. Hawk, Director  
UAH Propulsion Research Center  
The Univ. of Alabama, Huntsville  
RI Bldg. E-26  
Huntsville, AL 35899

Deadline for receipt of application materials is **January 31, 1997**.



**The College of Engineering and Computer Science Scholarship Committee** awarded over \$60,000 in scholarships to eligible continuing students for the 1996-97 academic year. Over 40 scholarships were awarded that ranged from \$500 to \$4,000.

You, too, may be eligible for continuing student scholarships—**APPLY TODAY** to find out! Application forms are available in the Financial Aid Office, 136 Student Union.

Deadline for submission of application is **April 1, 1997**.

# Scholarships and Fellowships

## DAGSI Scholarship Program

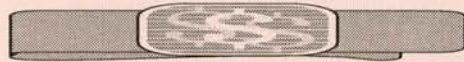


The Dayton Area Graduate Studies Institute (DAGSI) is again offering a competitive scholarship program for graduate students in schools of engineering at the Air Force Institute of Technology (AFIT), University of Dayton (UD), and Wright State University (WSU).

This program offers full tuition and stipends in both MS and Ph.D. programs to either full-time or part-time students. Scholarship applications and information are available in 405 Russ Engineering Center, or you may contact:

DAGSI Corporate Office  
3171 Research Blvd.  
Suite 109  
Kettering, OH 45420  
Telephone: 937/259-1346  
FAX: 937/259-1348

Application deadline for new applicants is **March 15, 1997**.



**The Ohio Board of Regents Graduate/Professional Fellowship Program** is now accepting applications for 1997-98. All candidates must be Ohio residents, U.S. citizens, and have graduated from an accredited undergraduate program by June 30, 1997. Eligible candidates must also be enrolled or intend to enroll as a full-time student in an eligible Ohio institution of higher education for graduate or professional study for the 1997-98 academic year.

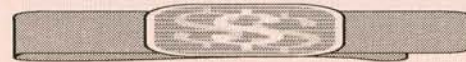
Wright State may nominate three academically outstanding baccalaureate graduates for this award, provided that one of the nominees is a minority student. If there is no minority candidate, only two nominations may be submitted. In addition, many graduate schools may also provide supplemental stipends and tuition remissions to recipients of the Regents Fellowships.

Application forms and brochures about the Ohio Board of Regents Graduate/Professional Fellowship Program are available in the Dean's Office, 405 Russ Engineering Center, or from the School of Graduate Studies, 106 Oelman Hall. Applicants are responsible for submitting official transcripts, letters of recommendation, score report and percentile ranking on a graduate or professional examination (GRE, GMAT, MCAT, etc.) to:

Regents Fellowship Program  
c/o Wright State University  
School of Graduate Studies  
106 Oelman Hall  
Dayton, OH 45435

Transcripts and test scores must be as of February 1, 1997. **Completed applications must be received in the School of Graduate Studies no later than February 10, 1997.**

The campus review committee will select the top two or three applicants for submission to the Board of Regents prior to March 1, 1997. For further information or details concerning the Ohio Board of Regents Fellowship Program, contact Jerry Malicki, School of Graduate Studies, 106 Oelman Hall, 937/775-2976.



**The U.S. Nuclear Regulatory Commission Graduate Fellowship** is currently accepting applications for Fall 1998 through the Oak Ridge Institute for Science and Education (ORISE). This program is designed to support highly capable science and engineering students interested in pursuing a career in nuclear power regulation and pursuing a master's degree in one of the following academic areas: Health Physics, Nuclear Engineering, Criticality Engineering, Electrical Engineering, or Probabilistic Risk Assessment.

Major benefits of this fellowship include:

- ◆ A minimum 9 month NRC work/orientation period prior to matriculation with compensation at GG-7 (\$35,000-\$37,000) plus full government employee benefits.
- ◆ Two years education for the master's degree, including monthly stipends of \$1,800 and full payments of tuition and fees.
- ◆ Employment at NRC for a minimum of four years starting at GG-9 (\$39,000-\$41,000) plus full government employee benefits.
- ◆ A \$5,000 a year per Fellow cost of education allowance will be paid to each Fellow's university to support activities and equipment costs associated with the NRC Fellow's education.

For application information, contact the School of Graduate Studies, 106 Oelman Hall.

**Application deadline is January 27, 1997.**





# Scholarships and Fellowships

The Southwestern Ohio Council for Higher Education (SOCHE) is currently accepting applications for research positions for the Student Support Program. SOCHE is the primary contractor for ASC's Wright Laboratory/Materials Directorate Student Support Program.

The Student Support Program provides stipends to undergraduate and graduate students while they engage in part-time research activities at the Materials Directorate. Hours are flexible and can be arranged around the student's course of study. This program provides the Air Force with the assistance of top science and engineering students and aids in the process of identifying possible future employees.

The Student Support Program is open to U.S. citizens who are currently pursuing a degree at an institution of higher learning. Application forms are available in the Dean's Office, 405 Russ Engineering Center.

For further information, contact:

Student Support Program  
Southwestern Ohio Council for Higher Education  
Miami Valley Research Park  
3171 Research Blvd., Suite 141  
Dayton, OH 45420-4014  
Phone: 937-297-1375  
FAX: 937-259-1380

The American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc. (ASHRAE) is currently accepting applications for an Engineering Technology Scholarship for Fall 1997. The scholarship provides a

one-year \$3,000 scholarship with possibility for renewal. ASHRAE scholarships are open to undergraduate engineering, engineering technology, and graduate students pursuing any course of study which is accredited by ABET or other recognized agency and which is a traditional preparatory curriculum for the profession of HVAC and/or refrigeration.

Scholarships are granted based on:

- ◆ Prior academic performance (GPA of 3.0 or higher)
- ◆ At least one full quarter/semester completed in an ABET or Engineering Technology accredited curriculum
- ◆ At least one full year of studies remaining
- ◆ Potential service to the HVAC and/or refrigeration profession
- ◆ Need for financial assistance
- ◆ Leadership ability
- ◆ Recommendations from instructors
- ◆ Character

To be considered for the scholarship, the following data must be submitted by **May 1, 1997**.

- ◆ Application form
- ◆ Official transcript of grades
- ◆ Letter of recommendation from a professor or faculty advisor
- ◆ Two additional letters of recommendation from individuals familiar with the applicant's character and accomplishments

Application materials are available in the Dean's Office, 405 Russ Engineering Center.

The Ohio Association of Consulting Engineers Scholarship Program is currently accepting applications for the 1997-98 academic year. Applicants must be juniors, seniors, or fifth-year students in Fall 1997. Students graduating in December 1997 are not eligible. Scholarships range from \$2,500 to \$5,000.

Application packets are available in the Dean's Office, 405 Russ Engineering Center. Application deadline is **February 3, 1997**.

The National Academy for Nuclear Training is currently accepting applications for 1997-98 academy scholarships.

Scholarships of \$2,500 each will be awarded to eligible students majoring in nuclear engineering, power generation, health physics, or chemical, electrical, or mechanical engineering with nuclear or power options. Preference will be given to students demonstrating specific preparation for employment in the U.S. nuclear power industry.

Candidates are evaluated based upon:

- ◆ Review of application materials
- ◆ Academic performance
- ◆ Eligible major
- ◆ Potential for career in the nuclear power industry

Applications must be endorsed by the candidate's school and forwarded to the Academy no later than **February 1, 1997**.

**WRIGHT STATE UNIVERSITY**  
**College of Engineering and Computer Science**  
**Teaching Effectiveness Award**  
**1996-97**  
**Student Response Form**

The Teaching Awards Committee is collecting recommendations for effective teaching in the College of Engineering and Computer Science. These forms are being gathered from faculty, students, and alumni. May we have your nomination and supporting comments for the full-time faculty member who is the most effective teacher? You may nominate more than one faculty member by submitting additional nomination forms. Please do not nominate a faculty member more than once.

Nomination: \_\_\_\_\_

Please comment on the effectiveness of this teacher both in and out of the classroom, including how he/she made a difference to you.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Please deposit completed nomination form in the ballot box located in 405 Russ, 163 Russ, or the Atrium of the Russ Engineering Center.

**DEADLINE FOR SUBMISSION OF NOMINATIONS IS MARCH 15, 1997.**

**WRIGHT STATE UNIVERSITY**  
**College of Engineering and Computer Science**  
**Faculty Listing**

**College of Engineering and Computer Science**

Brandeberry, James E., Dean  
Finkelstein, Leo

**Department of Biomedical and Human Factors Engineering**

Gallimore, Jennie  
Hangartner, Thomas N.  
He, Ping  
Lin, Mei-Li  
Narayanan, Sundaram  
Phillips, Chandler A. (on sabbatical)  
Reynolds, David B.  
Rowley, Blair A.

**Department of Computer Science and Engineering**

Awwal, A.A.S.\*  
Bergstein, Paul  
Chen, Philip (on sabbatical)  
Chung, Soon Myoung  
Garcia, Oscar N., Chair  
Goshtasby, A. Ardeshir  
Jean, Jack  
Mateti, Prabhaker  
Meyer, Karen  
Prasad, T.K.  
Rea, Robert  
Rizki, Mateen  
Ross, Charles B.  
Shock, Robert C.  
Spiegel, Daniel  
Sudkamp, Thomas  
Tomko, Karen  
Zelek, John

**Department of Electrical Engineering**

Chen, Henry  
Garber, Fred  
Hong, Lang  
Kazimierczuk, Marian\*  
McCormick, William S.  
Misra, Pradeep  
Naishadham, Krishna  
Pujara, Rai  
Rattan, Kuldip  
Shaw, Arnab K.  
Shenoi, Belle  
Siferd, Raymond, Chair  
Smith, Larry  
Spalding, George R.  
Xue, Kefu

**Department of Mechanical and Materials Engineering**

Bethke, Richard, Chair  
Cornelius, Kenneth  
Dadras, Parviz  
Grandhi, Ramana  
Hong, Shane Y. (on leave)  
Lieh, Junghsen  
Menart, James  
Slater, Joseph  
Srinivasan, Raghavan  
Thomas, Scott  
Weiss, Isaac  
Wolff, Mitch

**Note:** Faculty names marked with an \* are members of the Teaching Award Committee and are not eligible for nomination.



Got a great idea? Well, let us know about it!

The Suggestion for the Dean Program was initiated to solicit suggestions from Engineering and Computer Science students about ways to improve the facilities and/or programs.

A suggestion box is located in front of 405 RC and forms are available in the student club room, department offices, and student lounge. You may also submit your suggestions electronically via the College's homepage—just choose the Information button.

This program runs from November 1 through April 15. So, write down those good ideas and drop them in the box. Appropriate awards will be presented for these suggestions.

## Fundamentals of Engineering Exam at Wright State

**April 19, 1997**

### Registration Deadlines:

**Non-students: Jan. 20, 1997**

**Students: Feb. 3, 1997**

**(Note: All non-students must take the exam in Columbus.)**

**EGR 482—Engineering Fundamentals  
4:10 - 5:15 p.m. T/Th  
Winter Quarter  
will help you prepare.**

## 1997-1998 OHIO SPACE GRANT CONSORTIUM

### Undergraduate Scholarships

Juniors — \$2,000

Seniors — \$3,000

AND

### Graduate Fellowships

Master — \$14,000

Doctoral — \$18,000

Application packages are available  
in Department Offices.

**DEADLINE: JANUARY 31, 1997**

College representative is Georgio McBeath,  
College of Engineering and Computer Science,  
405 Russ Engineering Center.

## Scholarships for Honors Students

**Barry M. Goldwater Scholarship**—Sponsored by Congress. Open to full-time sophomores or juniors with an outstanding academic record in the natural sciences, mathematics, or engineering.

Deadline: January 15, 1997

Award: up to \$7000 per year

**Top Ten College Women Competition**—Sponsored by *Glamour* magazine. Open to full-time junior women with leadership experience, campus/community involvement, academic excellence, and unique and inspiring goals.

Deadline: January 31, 1997

Award: \$1000

The Honors Program will work with potential applicants to assist in preparing the best possible presentation.

For more details, contact:

Mary Kenton, Asst. Director  
Honors Program  
179 Millett  
937/775-2660

# ATTENTION HIGH SCHOOL STUDENTS

Visit the Russ Engineering Center

## A Showcase of Modern Technology for Academic Study!

The \$20 million **Fritz and Dolores Russ Engineering Center** located on the campus of Wright State University opened in 1992 and features state-of-the-art laboratory and teaching facilities for the College of Engineering and Computer Science.

◆ **Russ Engineering Center OPEN HOUSE**

**Monday, February 17, 1997 — 1 - 6 P.M.**

Tour our campus and state-of-the-art engineering and computer science labs.

Find out about admissions, financial aid, and cooperative education.

Special Presentation: "Why Choose WSU?" - 1 P.M.

◆ **National Engineering Aptitude Search+ (NEAS+)**

**January 16, March 18, April 15, May 6 — 9 - 11 A.M.**

**OR in conjunction with Open House (see above) — 10 A.M. - Noon**

Guidance-oriented self-assessment survey to help students in grades 9 through 12 determine their aptitude for engineering, math, or science study in college.

Pre-registration fee of \$5 required.

Optional question and answer session for parents available during the test.

Optional Russ Engineering Center and WSU Campus tours available after the test.

◆ **Shadowing Program**

**October through May**

Spend a day on campus with an engineering or computer science student.

Call Dick Rathbun, Assistant Dean, 937/775-5001, for more information or a personal tour of the Russ Engineering Center.



**Wright State University**

College of Engineering and Computer Science

3640 Colonel Glenn Hwy.

Dayton, Ohio 45435-0001

Office of the Dean