

Wright State University

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College of Engineering & Computer Science

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**Wright State University College of Engineering and Computer
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1993**

Wright State University College of Engineering and Computer Science

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BITS & PCs

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

Dec. 1993

Wright State University Dayton, Ohio 45435

Vol. 9 No. 10



Happy Holidays



This newsletter is a monthly publication to inform students of the activities, news, opportunities and changes occurring in the College of Engineering and Computer Science. 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 newsletter is published by the College of Engineering and Computer Science and distributed to all engineering and computer science majors through their student mailboxes. The next issue will be published January 7, 1994. Submit items to be included in this issue to the College of Engineering and Computer Science office, 405 Russ Engineering Center, by December 17, 1993.

LOOKING FOR A TECHNICAL ELECTIVE?

Don't overlook Engineering Economy, EGR 480, which is being offered Mondays and Wednesdays from 4:10-5:25 p.m. during winter quarter.

This course is an introduction to analytical methods for optimizing the economic outcome of technical and managerial decisions. It covers time value of money, annual costs, present worth, future value, capitalized cost break-even analysis, and valuation and depreciation.

For more information, contact the Office of the Dean in room 405 RC.

NEW COURSE OFFERING

As a result of last year's Suggestion Program, a new course is being offered during winter quarter. EGR 199-01, *The Way Things Work*, is a 2.0 credit hour course that will meet Fridays from 1:00-5:00 p.m. This course will be taught by Dean Brandeberry.

While the course was created with our women engineering students in mind, it is open to all students and is designed to enable engineering students to overcome a fear of mechanical things and how they work.

The course will provide a hands-on, nuts and bolts experience that will allow students to gain confidence in their "hardware savvy."

For more information, contact the college office, room 405 RC.

STUDENT SUGGESTION PROGRAM

The Student Suggestion Program was initiated last year by James E. Brandeberry, Dean of the College of Engineering and Computer Science.

The purpose of this program is to solicit suggestions from students enrolled in the college about ways to improve the facilities and/or programs for engineering and computer science students.

A suggestion box has been installed in front of the Dean's Office, room 405 RC. Forms are available in the student club room, department offices, or student lounge. The program will run from October 1, 1993 through April 15, 1994. Give this some thought and turn in that bright idea.



Appropriate awards will be presented for the best suggestions.

JOB OPPORTUNITY

Ahresty Wilmington Corporation is seeking a degreed mechanical engineer with emphasis upon DESIGN ENGINEERING.

Qualified candidates will have at least one year of drawing experience, preferably in a die casting or plastic molding industry, with hands-on CAD experience as a plus (we recently installed a CADAM system). Recent graduates will be considered providing you have design and CAD training.

Submit a confidential resume including your salary requirements and availability to start to:

Ahresty Wilmington Corporation
Associate Relations Manager
2627 S. South Street
Wilmington, Ohio 45177

NATIONAL ENGINEERS WEEK

Next year's celebration of National Engineers Week (NEW) will take place the week of February 20, 1994.

Mark your calendar and plan to join in the activities! Our College Open House is scheduled for Monday, February 21, 2-7:00 p.m. The JETS/TEAMS Competition for area high school students will be held on the 17th of February in the Nutter Center.

Many activities, including the rubber-band powered model airplane contest, are being planned for the celebration.

Engineering and Computer Science students who would like to volunteer to help with any of the activities, including serving as tour guides for Open House, contact Teri Shepherd, 405 Russ Engineering Center.

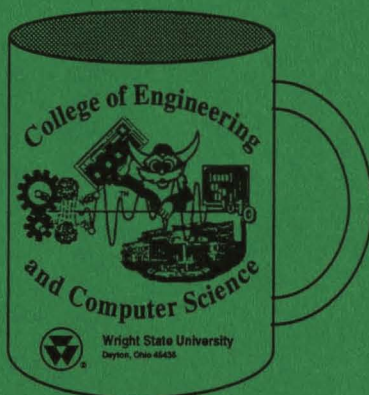


Ty D. Upp reminds us of what Wil Rose said *"It's nice to know that we don't need to wait till tomorrow; we can start to change the world today!"*

College Mugs for Sale

\$4.00

Available in Room 163 Russ
Engineering Center



ME WINTER QUARTER OFFERING

ME 499-05 (4.0 Credit Hours) Introduction to CAD/CAM will be offered during the winter quarter. The class will meet on Mondays and Wednesdays from 4:10-6:50 p.m.

This course is designed to introduce undergraduate students to the operational use of CAD/CAM by using a hands-on, applied approach. This will familiarize the student with modern methods of description, analysis, and numerically controlled manufacture.

Prerequisites are ME 201 or ME 202. This course can be used as a Technical Elective Type 2.

OFFICE OF NAVAL RESEARCH GRADUATE FELLOWSHIP PROGRAM

Graduate fellowships will be awarded for study and research in the disciplines listed below:

Electrical Engineering, Mathematics, Physics, Chemistry, Computer Science, Materials Science, Engineering Mechanics Biological/Biomedical Sciences, Cognitive and Neural Sciences.

Application information is available from the American Society for Engineering Education (ASEE), 1818 N Street, NW, Suite 600, Washington, DC 20036. Application Deadline is January 19, 1994.

NEW COURSE OFFERING WINTER QUARTER

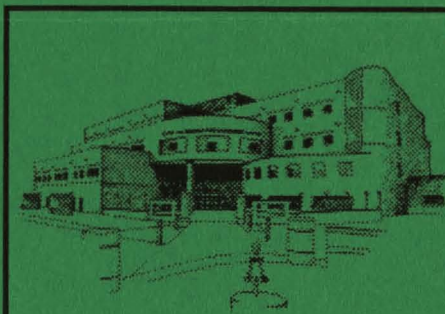
EGR 199-02 & 03 (1 credit hour course) Introduction to Engineering Experience is being offered during winter quarter, 1994. There will be two sections (15 students each) of this pass/fail course which will meet Fridays from 3:00 - 5:00 p.m.

The objective of the course is to provide "hands-on" engineering laboratory experience; knowledge of various engineering disciplines; and early contact with engineering and computer science students and faculty.

The following topics will be discussed: Robotics, Aerodynamics, Biomedical, Signal Processing, Computer Science, Human Factors, Vibration Analysis, Computer Graphics, Materials. Assistant Dean Giorgio McBeath will be the coordinator.

MINORITY AID

The college office has a listing of financial aid available to minority students pursuing engineering degrees. You may see this list by stopping in room 405 RC.



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

Sharon Coates

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.

COLLEGE MOURNS DEATH
of
Anna Bramanti Gregor
Alumna, Faculty Member, Friend

Anna Bramanti Gregor, who received her Ph.D. from the Department of Computer Science and Engineering in June of this year, died on October 31 after an illness of many months. She was a member of the computer science faculty.

Dr. Gregor had many careers and skills. Born near Florence, Italy, in 1940, she was the daughter and granddaughter of artists and followed in her father's footsteps as a wood engraver. Her best-known work consists of 56 woodcuts in Giovanni Mardersteig's sumptuous Aesop's Fables, a facsimile of the fifteenth century Verona Aesop now on display in the British Museum. The limited edition facsimiles are themselves on display at the British Museum and in several famous rare book collections. Dr. Gregor also created the woodcuts for two of the nine volumes of Opera Omnia, the definitive collected works of Machiavelli.

In the 1980's, Dr. Gregor worked as an illustrator and data analyst for the Fels Research Institute of the Wright State University School of Medicine. She did biological and statistical illustrations for two books by Fels scientists, and co-authored a paper on the mathematical modeling of human growth. It was during this period that she studied computer science at Wright State University.

Her Ph.D. research was in heuristic search theory, an area that underlies all artificial intelligence systems. This work, published over a five-year period in several journals and proceedings, has become well-known.

To her colleagues and friends, Anna was a person of grace and warmth. She seemed to make life a little better for all those she touched. Her husband, Bryan, Professor of Geology at Wright State University, suggests donations in her memory be directed to the Hospice of Dayton, where Anna spent her last weeks.

**RI/SME STUDENT ROBOTICS
AUTOMATION CONTEST**

Sponsored by Robotics International of the Society of Manufacturing Engineers

April 30-May 1, 1994. Hosted by Purdue University, West Lafayette, Indiana This contest is held each year to showcase students' awareness and creativity in the field of robotics and give them a chance to apply classroom knowledge to real-world applications.

You may look at an information packet in the college office, room 405 RC and obtain contest entry forms from:

Sandy Stroka, Education Department
Society of Manufacturing Engineers
One SME Drive, P.O. Box 930
Dearborn, Michigan 48121-0930
Application Deadline is March 15, 1994.

**When everything seems to be going
against you, remember that an air-
plane takes off against the wind, not
with it.** Henry Ford (1863-1947)

**SOCIETY OF WOMEN
ENGINEERS SCHOLARSHIP
PROGRAM**

Scholarship information is now available in the college office, room 405 RC, from the Society of Women Engineers. Freshman scholarships include:

Westinghouse Bertha Lamme
Scholarship
General Electric Foundation Scholarships
Admiral Grace Murray Hopper
Memorial Scholarship
Anne Maureen Whitney Barrow
Memorial Scholarship
The TRW Scholarships

Sophomore, Junior, Senior scholarships include:

Lillian Moller Gilbreth Scholarship
Ivy Parker Memorial Scholarship
MASWE Memorial Scholarship
Judith Resnik Memorial Scholarship
Dorothy Lemke Howarth Scholarships
Hewlett-Packard Scholarships
Texaco Foundation Scholarships
General Motors Foundation Scholarships

Application deadline is February 1, 1994.

**ATTENTION:
EGR 499-05 STUDENTS**

The student chapter of the Ohio Society of Professional Engineers (OSPE) will be selling the book that is used in EGR 499-05.

The book titled, *Fundamentals of Engineering*, 4th Edition, by M.C. Potter, will be available at the end of fall quarter.

Interested students should contact David Dexter or Paul Niedermier at 873-5031.

**EGR 499-05 (3 CR. HRS.)
Engineering Fundamentals
Winter Quarter 1994
Tuesday, Thursday
4:10 - 5:25 p.m.
146 RC**

**SAFE - RICHARD H. FROST
SCHOLARSHIP**

The Richard H. Frost Aerospace Safety and Wright Brothers SAFE Scholarship is a \$1,000 scholarship given to a deserving student who is pursuing a career in aerospace safety, survival, or related discipline.

Student must be enrolled as a junior or senior for the next academic year at either the University of Dayton or Wright State University.

Student must be pursuing an aerospace safety, engineering, life sciences, medicine, or related degree program.

Student must have a GPA of 3.0 or higher.

Application for the scholarship must be received by July 1 of the year preceding the academic year in which it is to be used.

**It's a Fact About Oscar Meyer
Lunchables. . . . It would be hard to
invent a worse food than these combos of
heavily processed meat, artery-clogging
cheese, and mostly white-flour crackers.
The line averages 5 1/2 teaspoons of fat
(that's 55 percent of calories) and 1,517
mg of sodium. You'd get less fat and salt
from two slices of Pizza Hut's Pepperoni
Pan Pizza. Nutrition Action Healthletter**

SCHOLARSHIPS and FELLOWSHIPS

NATIONAL ACADEMY FOR NUCLEAR TRAINING

The National Academy for Nuclear Training awards scholarships to college students who have demonstrated outstanding academic achievement and who are interested in pursuing careers in the U.S. nuclear power industry.

For the upcoming year, 250 new and renewed Academy Scholarships of \$2,250 each will be awarded on the basis of merit to college sophomores, juniors, and seniors.

Students who have achieved a minimum academic standing of 3.0 GPA and are majoring in nuclear engineering, power generation health physics, or mechanical, electrical, or chemical engineering (with nuclear or power options) are eligible for consideration.

For application information contact the college office, 405 RC.
Application deadline: February 1, 1994.

AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME) and the

SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) are both sponsors of Washington Internships for Students in Engineering (WISE)

ASME and SAE are again sponsoring students for participation in the 1994 Washington Internships for Students of Engineering (WISE) program.

The WISE program offers an opportunity for outstanding undergraduate scholars and potential leaders to learn about the relationship between engineering and public policy.

During ten weeks in the summer, the WISE students meet with prominent engineers and government officials in Washington, DC, examine public policy issue of concern to engineering, and prepare a research paper.

For application information contact:

WISE
Attn: Betsy Houston
1899 L St. NW, Suite 500
Washington, DC 20036
202/466-8744
FAX 202/833-3014

Application deadline: December 10, 1993.

OHIO ASSOCIATION OF CONSULTING ENGINEERS

This program includes scholarships awarded by the American Consulting Engineers Council Member Organization (MO). To qualify, a student must be a U.S. citizen pursuing a bachelor's degree in an ABET-approved engineering program or in an accredited land surveying program. Students must be entering their junior, senior or fifth year, in the fall of 1994 to qualify. Students graduating in December 1994 are not eligible.

Application information may be obtained in the college office, 405 RC.
Application deadline: February 11, 1994.

NATIONAL DESIGN GRAPHICS COMPETITION

Sponsored by the American Society for Engineering Education, this event will be held in conjunction with the 1994 ASEE Convention, June 26-29, 1994, at Edmonton, Alberta, Canada.

The purpose of this event is to emphasize the importance of the design process early in the career of new engineering students. For this reason, the competition is open only to freshman students.

The competition is directed toward the solution of one specific design problem (design a device to open a medicine bottle that has a child-proof top). It is hoped that this project will focus attention on the design of a product that is genuinely needed.

Contact the college office, 405 RC for application information.

Application deadline: February 1, 1994.

BF GOODRICH COLLEGIATE INVENTORS PROGRAM

This is a national competition designed to encourage college students active in science, technology and creative invention, while stimulating their problem-solving abilities. This competition recognizes the working relationship between a student and his or her advisor who are involved in projects leading to inventions that can be patented.

Full-time college or university students are eligible to participate. An information packet is available in the college office, room 405 RC.

Application deadline: February 15, 1994

FORD FOUNDATION POSTDOCTORAL FELLOWSHIPS FOR MINORITIES.

Open to U.S. citizens who are members of the following minority groups: Alaskan Natives (Eskimo or Aleut), American Indians, Black/African Americans, Mexican Americans/Chicanos, Native Pacific Islanders (Polynesian or Micronesian), and Puerto Ricans.

Applicants are required to have earned the Ph.D. or Sc.D. degree by January 7, 1994, and must have held the degree for not more than seven years as of that date.

Only those individuals already engaged in a teaching and research career or those planning such a career are eligible to apply.

For more information contact:

National Research Council
Office of Scientific and Engineering
Personnel
2101 Constitution Avenue
Washington, D.C. 20418

Continued →→→→→

NATIONAL CONFERENCE ON UNDERGRADUATE RE- SEARCH

Call for Presenters

The 8th National Conference on Undergraduate Research (NCUR) will bring together undergraduates involved in scholarly and artistic activities throughout the United States, representing a range of disciplines including business, creative arts, education, engineering, humanities, mathematics, performing arts, science, and social science as well as other academic disciplines. Representatives will attend from over 200 colleges and universities and from almost every state in the nation.

Since the first conference in 1987, the NCUR has become a major annual event that draws more than 1,200 undergraduates and 400 advisors and administrators to hear and discuss undergraduate creative and scholarly work by means of: oral presentations, poster presentations, artistic performances, exhibits. In addition, there is an opportunity to hear prominent researchers and leaders from academic, corporate, and government environments.

Undergraduate students are invited to give formal presentations or displays of original research, scholarly activities, or creative endeavors in all academic areas.

Conference Dates: April 14-16, 1994.

At: Western Michigan University, Kalamazoo, MI

Deadline to submit abstracts: March 15, 1994.

Information may be obtained from Department Chairs or the college office, room 405 RC.

WSU 1994-95 GRADUATE ACADEMIC AND MINORITY FELLOWSHIP PROGRAM

The School of Graduate Studies is accepting applications for the 1994-95 Graduate Academic and Minority Fellowship Program.

This program, through the Student Affairs Committee of the Graduate Council, awards fellowships to selected full-time and part-time students. The number of fellows selected is dependent upon the amount of monies annually allocated for the program.

For 1993-94, the awards were \$3,855 each for full-time fellows and \$1,400 each for part-time fellows.

GPA standards for academic and minority fellowship applicants are: Incoming graduate students must have achieved at least a 3.2 cumulative GPA at their undergraduate institution(s); continuing graduate students must have a cumulative graduate GPA of at least 3.4. Finally, any students who will receive graduate assistantships, or who have been awarded another university-funded fellowship, will not be eligible to receive graduate academic or minority fellowships during the same period. Also, employees of Wright State University are not eligible for the program.

Academic and Minority Fellowship applications, information, and materials can be obtained from the School of Graduate Studies. If you have any questions, or if you need additional information, please do not hesitate to contact either Jerry Malicki or John Kimble in the Graduate School, 106 Oelman, extension 2976.

Deadline is January 10, 1994.

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS, INC.

GRANT-IN-AID for Graduate Students

A Grant-in-Aid is a grant of funds to a full-time graduate student of ASHRAE-related technologies. It is awarded once each year for use in the following academic year. The selection process occurs during the winter preceding the year of receipt of the grant.

The Grant is intended to encourage the student to continue his preparation for service in the HVAC&R industry. The relevance of the research proposed by the candidate is a consideration for awarding the grant.

The Grant-in-Aid is made to the university solely for the support of the student in an amount not to exceed \$7,500 per calendar year per student and is not renewable.

GRANT-IN-AID for Undergrad. Students

A Grant-in-Aid is a grant of funds to a full-time engineering student in the final two

years of undergraduate study. The funding is not to exceed \$2,500 per calendar year per student and is not renewable. The faculty advisor of each grant recipient will receive \$500 for project support or salary supplement. Students must have a GPA of 3.25/4.00, or above.

Application forms may be obtained from:

Manager of Research
ASHRAE
1791 Tullie Circle, NE
Atlanta, GA 30329

Application deadline: December 15, 1993.

PALACE KNIGHT PROGRAM

The U.S. Air Force needs Ph.D.'s and will pay salary plus tuition for scientists and engineers interested in pursuing Ph.D. studies.

In an effort to increase the number of civilian Ph.D.'s to staff its laboratories, the United States Air Force has implemented an exceptional employment program called PALACE KNIGHT. Selectees enter the program as civilian employees of the Air Force with full benefits and salary. Tuition, books, applicable fees, and travel allowances will be paid by the Air Force.

This program is limited to U.S. citizens able to obtain security clearances. B.S. selectees should be within six months of graduation, have applied or been accepted to an accredited university, a 3.25 overall cumulative GPA is desired along with a combined GRE score (verbal and quantitative) of 1000 or more. Consideration will also be given to students who have completed or are currently pursuing M.S. studies as well as current Ph.D. students.

Work experience will be obtained in a laboratory environment. Positions in other related technical fields may also be available.

Applicants must have the necessary academic qualifications to be accepted to a highly recognized university for Ph.D. studies. For further information or an application package contact:

Dr. Paul Hadorn
Wright Laboratory
Electronic Warfare Division
WL/AAWP, Hangar 4F
W-PAFB, Ohio 45433-7300
513/255-6127

NATIONAL DEFENSE SCIENCE AND ENGINEERING GRADUATE FELLOWSHIPS

As a means of increasing the number of U.S. citizens trained in disciplines of science and engineering of military importance, the Department of Defense plans to award approximately 90 new three-year graduate fellowships in April 1994.

National Defense Science and Engineering Graduate Fellowships will be awarded for study and research leading to doctoral degrees in, or closely related to, the following disciplines:

- Aeronautical and Astronautical Engineering
- Biosciences
- Chemical Engineering
- Chemistry
- Cognitive, Neural, and Behavioral Science
- Computer Science
- Electrical Engineering
- Geosciences
- Manufacturing Sciences and Engineering
- Materials Science and Engineering
- Mathematics
- Mechanical Engineering
- Naval Architecture and Ocean Engineering
- Oceanography
- Physics

Stipends for 1994-95 amount to \$16,000. Full tuition and required fees are also paid.

Recipients of these fellowships do not incur any military or other service obligation.

To request a copy of the application materials contact Battelle at the following address:

NDSEG Fellowship Program
200 Park Drive, Suite 211
P.O. Box 13444
Research Triangle Park, NC 27709-3444
Attn: Dr. George Outterson
919/549-8505

Application deadline: January 19, 1994

REMEMBER.....Even if you're on the right track, you'll get run over if you just sit there. Will Rogers

NEW LEADERS SCHOLARSHIP PROGRAM

Computer Associates International's New Leaders Scholarship program provides financial support to outstanding undergraduate students in computer science or related engineering fields.

Sophomores and juniors from 50 colleges and universities throughout the country are eligible to apply. The computer science chairperson of each participating school may nominate his/her three most promising students.

Each year, ten finalists receive \$5,000 scholarships along with PC's and CA software packages. Twenty semi-finalists will also receive the PC's and software. Recipients are selected based on transcripts, department chair's letters of recommendation and essays describing the applicant's career goals and ideas about the future of technology.

Each finalist is guaranteed an internship with Computer Associates, the software industry's largest independent company. For more information contact Computer Associates International, Inc., One Computer Associates Plaza, Islandia, NY 11788-7000, phone 516/342-5224, 1-800/MICRO90, FAX 342-6868.

TEFLON INNOVATION AWARDS

The DuPont 1994 Plunkett Students Awards for Innovation with Teflon will award prizes worth \$30,000 to the best examples of student innovation in fluoropolymer technology. The competition is named for Dr. Roy J. Plunkett, the DuPont scientist who discovered "Teflon."

DuPont is offering a summer internship in the company's fluoropolymer area—valued at approximately \$10,000 or \$3,000 in cash to the first place winner. The second and third place winners get cash awards of \$2,000 and \$1,000, respectively. Scholarships will be given to the schools of the top three prize winners, cash honorariums to the winners' faculty sponsors, and cash awards to the 10 honorable mention winners.

Full-time students, working individually or in teams, are eligible to enter. The competition is open to juniors, seniors and graduate students. Faculty sponsorship

is required. The entry deadline is January 14, 1994. For information and entry forms, contact The DuPont Plunkett Student Awards, Suite 585, 400 North Capitol Street N.W., Washington, DC, 10001, 1-800/431-7536.

DESIGN CONTEST

The 4th Annual Science & Technology Committee Intercollegiate Design Contest is open to students attending four or five year universities and who are interested in designing or developing technology contributing to excellence and safety in Olympic sports.

From ergonomically sound uniforms to aerodynamic equipment, effective use of technology is increasingly important for success in sport. The goal of the contest is to help improve the performances of American athletes through the application of technology. Talented and creative students can significantly contribute toward the achievement of this goal.

Projects for the contest may be a paper design and/or prototype development. Entries will be reviewed by a panel of experts in sports and technology. Five finalists and respective faculty advisors will be selected and invited to present their findings at a symposium held at the U.S. Olympic Training Center in Colorado Springs. Cash prizes will be awarded to the finalists and their universities.

Application packets are available from:

USOC— Sport Science & Technology
Division
Attn: Linda Martinez
One Olympic Plaza
Colorado Springs, CO 80909

Completed applications must be received by February 1, 1994.

1994 DAM SAFETY SCHOLARSHIP

The Association of State Dam Safety is a national association dedicated to the furthering of dam safety in the U.S.

Two scholarships, in the amount of \$2,500 each, will be awarded for the 1994-95 school year, one each for both junior and senior level undergraduate students.

Applications are available in 405 RC. Deadline to apply is January 30, 1994.

Ohio Aerospace Institute (OAI) Undergraduate and Graduate Scholarship Announcement

The Ohio Space Grant Consortium, located at the Ohio Aerospace Institute, supports graduate fellowships, undergraduate scholarships and collaborative educational and research activities. To encourage U.S. citizens to pursue aerospace-related advanced education, the Consortium provides financial support through graduate fellowships and undergraduate scholarships. These scholarships are funded by the National Aeronautics and Space Administration (NASA) through its Space Grant College and Fellowship Program. Matching funds are provided by private industry and the Ohio Aerospace Institute.

Undergraduate Scholarships

Scholarships for full-time undergraduate students pursuing programs of study in aerospace-related engineering or science are a major component of the NASA Space Grant Program. Qualifying disciplines include:

Aeronautical Engineering
Aerospace Engineering
Applied or Engineering Physics
Chemical Engineering
Civil Engineering
Computer Engineering
Control Engineering
Electrical Engineering
Engineering Mechanics
Mechanical Engineering
Materials Science and Engineering
Systems Engineering

University of Akron
Case Western Reserve University
Central State University
University of Cincinnati
Cleveland State University
The University of Dayton
The Ohio State University
Ohio University
The University of Toledo
Wilberforce University
Wright State University

- Scholarship application form
- Official college transcripts
- ACT and/or SAT scores (photocopy of official notice is acceptable)
- One page typewritten Project Proposal for an aerospace-related research project to be completed during the scholarship year. The proposal should include discussion of project goals and must be endorsed by the sponsoring faculty member. The Project Proposal will be a major factor in the selection process.
- Two Recommendation Forms, at least one being from a faculty member in applicant's department.

JUNIOR AND SENIOR SCHOLARSHIPS

High School senior and undergraduate students who are, or expect to be enrolled in one of the following participating universities by the fall 1994 term are encouraged to apply for a scholarship.

To be considered for a NASA Space Grant/OAI Scholarship for the junior or senior year, a complete application package consisting of the following materials must be submitted no later than January 28.

For application information on both undergraduate scholarships and graduate fellowships, contact Dr. Richard J. Bethke, 513/873-5040, room 209 RC.

Graduate Fellowships

To encourage U.S. citizens to pursue full-time graduate study in aerospace-related engineering and science, the Ohio Space Grant Consortium, located at the Ohio Aerospace Institute, offers graduate fellowships to students who have demonstrated ability and aptitude for advanced study in these areas. Fellowships are funded by the National Aeronautics and Space Administration (NASA) through its Space Grant College and Fellowship Program and by NASA Lewis Research Center. Matching funds are provided by private industry and the Ohio Aerospace Institute. Fellowships are competitively awarded to students in master's and doctoral programs at the following participating universities.

University of Akron • Case Western Reserve University • University of Cincinnati
Cleveland State University • The University of Dayton • The Ohio State University
Ohio University • The University of Toledo
Wright State University

Disciplines appropriate to this program include:

Aerospace Engineering • Aeronautical Engineering • Chemical Engineering
Civil Engineering • Computer Engineering • Control Engineering
Electrical Engineering • Engineering Mechanics • Materials Science and Engineering
Mechanical Engineering • Systems Engineering

Research Areas of Interest:

Aeronautical Applications • Aeropropulsion
Computational Fluid Dynamics • Computational Sciences
Electronics and Communications • Materials Space Propulsion
Space Power • Space Science

SIXTH ANNUAL INDOOR RUBBER-BAND POWERED AIRCRAFT CONTEST



National Engineer's Week

Tuesday, February 22, 1994, 8:30 A.M. - 11:30 A.M.
Main Arena, Nutter Center, Wright State University

Sponsored by WSU College of Engineering and Computer Science and
AIAA Student Club

PRIZES will be awarded for the 1st, 2nd, and 3rd place winners in both the NOVICE and OPEN classes.

NO ENTRY FEE REQUIRED!!!

Open to all university, college, and high school students. First-time modelers will be required to enter the Novice Class with the "Slow Poke" model offered by the Indoor Model Supply Company to insure competitiveness. Experienced modelers will enter the Open Class (Most competitive model is "Easy B" from Indoor Model Supply). Winners in each class will be determined by the longest single time in flight over 3 tries. Only rubber-band-powered heavier-than-air aircraft will be accepted (no helium, please).

Novice and Open Class models can be purchased from the AIAA student club at WSU or mail-ordered from the Indoor Model Supply Co., P.O. Box 5311, Salem, Oregon 97304, (503) 370-6350 (mail order large quantities only). For additional information, contact Dr. Scott Thomas at (513) 873-5142. All are encouraged to fly their airplanes, even if you are not competing.

PRACTICE SESSIONS

January 15 and January 22, 1994

7:00 A.M. - 10:00 A.M.

M^cLin Gym - Nutter Center

TO REGISTER:

Return the registration form below to Dr. Scott Thomas, Wright State University, College of Engineering and Computer Science, Department of Mechanical and Materials Science Engineering, 209 RC, Dayton, OH 45435.

SIXTH ANNUAL RUBBER-BAND-POWERED AIRCRAFT CONTEST

NAME: _____ ADDRESS: _____

SCHOOL: _____ PHONE: _____

CLASS (check one): Novice Open

WRIGHT STATE UNIVERSITY
College of Engineering and Computer Science
Teaching Effectiveness Award
1993-1994
Student Response Form

The Teaching Awards Committee is collecting data to support recognition of effective teaching in the College of Engineering and Computer Science. These data 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 the Student Study Lounge, room 158 RC.

Submit Nominations by February 25, 1994

ATTENTION HIGH SCHOOL STUDENTS

The National Engineering Aptitude Search (NEAS) is a guidance-oriented examination which evaluates a student's aptitude for a career in engineering, science, or mathematics and provides information on how to prepare for further high school or college study. Tests are scheduled at WSU on Saturday, January 29, 1994 and Saturday, March 12, 1994 9 a.m. – Noon. For registration information call 513/873-5001.

Russ Engineering Center Open House Tours

- Learn about our engineering and computer science programs
- Tour our new facilities and laboratories
- Meet faculty and students
- Receive information about our student clubs and college activities

OPEN HOUSE TOUR DATES –Call 513/873-5001 to Register

SATURDAY, DECEMBER 11, 1993	11:00 a.m. – 2:00 p.m.
WEDNESDAY, DECEMBER 29, 1993	3:00 – 5:00 p.m.
SATURDAY, JANUARY 22, 1994	11:00 a.m. – 2:00 p.m.
MONDAY, FEBRUARY 21, 1994	2:00 p.m. – 7:00 p.m.

The College of Engineering and Computer Science welcomes inquiries from prospective high school students. For information about our engineering and computer science programs, or to arrange for a tour of the Russ Engineering Center, call Dick Rathbun, Assistant Dean, 513/873-5001.



**Wright State
University**

College of Engineering and
Computer Science
Dayton, Ohio 45435

Office of the Dean

Best Wishes

for a

Happy Holiday Season

