



BITS & PCs

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

June 2002 Wright State University Dayton, Ohio 45435 Vol. 18 No. 9

Important Dates

- June 7
~ 4:30 PM - CECS Awards and Recognition Ceremony
~ 7:00 PM - Order of the Engineer Ring Ceremony
- June 8
Spring Quarter Commencement
- June 10
Summer Quarter "A" and "C" classes begin
- June 19
Last day to drop an "A" Term class without a grade
- July 4
NO CLASSES,
Independence Day Holiday
- July 15
Summer Quarter "B" classes begin
- July 24
Last day to drop a "B" Term class without a grade
- August 15
Last day of classes,
Terms "B" and "C"
- August 20
Last day to apply for December graduation
- September 2
NO CLASSES,
Labor Day Holiday
- September 18
Fall Quarter classes begin

2001-2002 Outstanding Senior Award Winners Announced

Each year the College honors an outstanding senior in each major. These students are selected for their scholastic achievements, as well as their service to the College, the University, and the community. All of the Outstanding Seniors will be honored at the College Awards and Recognition Ceremony on June 7, 2002 at 4:30 PM in the Student Union Multipurpose Room. In addition to the outstanding students, the College will also present awards to faculty and staff. The faculty and staff winners will be featured in the September issue of BITS & PCs. The Outstanding Students for the 2001-2002 academic year are:

Beth Wirick - Outstanding Student in Biomedical Engineering

Beth came to Wright State University from Butler Senior High School in Vandalia, Ohio where she achieved a 4.2 GPA. While attending Wright State, she received numerous awards and scholarships including the Hewitt Scholarship, the Harley Flack Memorial Scholarship, the Honors Distinguished Senior Award, and the Outstanding President of the Year. Beth spent three years as an undergraduate researcher in the Pharmacology/Toxicology Lab at WSU. With her research, Beth has helped produce two printed publications. She also completed a summer internship with the National Institute of Health in Bethesda, Maryland. Beth is currently completing the Biomedical Undergraduate Honors program with an honors thesis entitled "Developing an Algorithm to Measure Changes in Soft Tissue of Below-Knee Residual Limbs Using Computed Tomography." Beth plans to attend The Catholic University of America in the pursuit of a Master's Degree in Mechanical Engineering.

Chad Apple - Outstanding Student in Computer Engineering

Chad graduated from Bradford High School in Bradford, Ohio in June of 1998, where he was first in his class with a 4.0 GPA. He entered Wright State University in the Fall of 1998 as a Computer Engineering student. He was directly admitted into the College of Engineering and Computer Science because of his outstanding high school record.

At Wright State, he has taken advanced courses in circuit analysis and design, computer systems design, and software engineering. Chad has also participated in the Co-Op Program. He has maintained an outstanding GPA of 3.95 over 190 hours of course work and will be receiving his B.S. in Computer Engineering at Spring Commencement.

Continued on page 2

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

Continued from page 1

David Johnson - Outstanding Student in Computer Science

David graduated from Miamisburg High School in June of 1999. At Miamisburg High School he was a National Merit Commended student and graduated at the top of his class with a 4.0 GPA. With a near perfect 35 on the mathematics portion of the ACT, his interest in mathematics and computer science is understandable.

Chad entered Wright State in the Fall of 1999 as a dual Computer Science and Mathematics major where he was directly admitted into the College as a result of his outstanding performance in high school. At Wright State, his program has included advanced courses in computer graphics, cryptography, modern algebra, and University honors courses. He has completed over 160 hours of work at Wright State with a perfect 4.0 GPA.

Julie Jackson - Outstanding Student in Electrical Engineering

Julie is a native of Dayton, Ohio. She will be graduating from Wright State this month with a B.S. in Electrical Engineering and will have earned the distinction of a University Honors Scholar as well. Julie has been active in several student organizations while at Wright State, including the Wright Engineering Council, Tau Beta Pi, the Society of Women Engineers, and the Institute of Electrical and Electronics Engineers. She has supported the Department of Electrical Engineering by acting as a tutor and staffing several of the department's help rooms. Many of the department's students have given Julie rave reviews noting her ability to provide academic assistance and clearly explain technical principles to them.

To augment her education, Julie has worked in engineering laboratories for Delphi Harrison Thermal Systems, Lucent Technologies' Bell Lab in New Jersey, and currently at Jacobs Sverdrup in Dayton. Few students can compare to Julie in her drive and dedication. She is truly a worthy recipient of this award.

Daniel LeMaster - Outstanding Student in Engineering Physics

Dan came to Wright State after serving in the military. He is still a member of the National Guard and is currently employed with Cornerstone Research Systems doing Labview programming for laser diodes and temperature and motor controllers. Dan has been very active at Wright State by being involved in the Tau Beta Pi (engineering honor society), Sigma Pi Sigma (physics honor society), the Society of Physics students, the Delta Tau Delta fraternity (serving as secretary and director of academics), and the Golden Key National Honor Society.

Dan has participated in the University Honors Program and the College's Engineering Leadership Institute. He was the 2000-2001 recipient of the Harry Moore Scholarship and was named the University Libraries' Top Scholar for the College of Engineering and Computer Science. Most recently, Dan has been awarded the Ohio Space Grant Consortium scholarship for his proposal to study the effects of radiation damage on semiconductors. He has also conducted a help room for the Department of Electrical Engineering, providing assistance and tutoring students in Linear Systems. No matter what Dan does, he takes great delight in doing it and gives it his all.

Sara Johnson - Outstanding Student in Industrial and Systems Engineering

Sara graduated from Eastern High School in Sardinia, Ohio in 1998. Sara has received several scholarships including the Hewitt Scholarship, the Lockheed Martin Scholarship, and the BIE Departmental Scholarship. In addition to her Industrial and Systems Engineering degree, Sara is also completing a Business minor in Operations Management. Sara participated in the Co-Op Program at Copeland Corporation in 2000 and is currently employed with Booz-Allen & Hamilton, Inc. Human Systems Information Analysis Center as a research assistant. Sara has co-authored seven publications. She is a member of the Institute of Industrial Engineers and serves as the Chair of the BIE Student Advisory Council.

Joseph Kell - Outstanding Student in Materials Science and Engineering

Joseph is a transfer student from the University of Cincinnati and has maintained a 3.91 GPA while he has been at Wright State for the past two years. According to his instructors, Joseph is a student who can handle very complicated material.

For the past year, Joseph has been a research assistant at Wright-Patterson Air Force Base. During this time, he was involved in a number of different activities. Joseph generated models of amorphous systems and analyzed the data that came from these models. In addition, he also had a chance to do some metallography work.

In addition to Joseph's work at Wright-Patterson Air Force Base, he has also worked at BICC General in

Continued on page 5

Faculty Facts

Beck, Clark (ECS)

Awarded the 2002 Alumni Distinguished Service Award from the University of Cincinnati Alumni Association. Mr. Beck also spoke at a scholarship luncheon in his hometown of Marion, Indiana where he was given a key to the city from the mayor.

Bourbakis, Nikolaos (ITRI)

Spoke on "Bioinformatics Education" at the University of Texas - San Antonio on April 3rd. He was the invited speaker at the meeting of the Dayton Advocates for Computing Women on April 22 where his topic was "Information Technology at WSU." He was also an invited speaker at the International Conference on Bioinformatics Education at George Mason University on April 24th where he presented a four-year curriculum for a Bioinformatics Engineering major. Dr. Bourbakis also attended the AFOSR 50th Anniversary Commemorative Event and Conference in Washington, DC on April 25, 2002.

Bourbakis, Nikolaos (ITRI) and Harris, Chester (ITRI)

Attended the Ohio Aerospace Institute Collaborative Partnering Forum in Cleveland, Ohio on April 16 and also took part in the poster display. ITRI research projects were featured.

Grandhi, Ramana (ME)

Computational Mathematics for Determining Uncertainty Bounds in Multi-Valued Engineering Design

Dayton Area Graduate Studies Institute (DAGSI)

2/1/02 - 1/31/03.....\$17,000

Grandhi, Ramana (ME)

Development of a Thermo-Mechanically Induced Geometric Variation Estimator

Ohio State University

1/1/01 - 12/31/02.....\$80,000

Hangartner, Thomas (BIE)

Evaluation of a Novel Treatment for Osteoarthritis of the Knee

Procter and Gamble Company

8/6/99 - 8/5/02.....\$7,104

Hong, Lang (EE)

Distributed Multirate Multiple Model Filtering with Out-of-Sequence Data

MRLets Technologies, Inc.

4/1/02 - 3/31/04.....\$50,000

Rizki, Mateen (CSE)

Evolving Pattern Recognition Systems

Department of Defense, Air Force, Air Force Research Laboratory

5/1/99 - 12/31/02.....87,500

Slater, Joseph (ME)

P-POD: A Python-Based Generic Proper Orthogonal Decomposition Simulation Control Tool

Universal Technology Corp.

3/25/02 - 8/26/02.....\$36,405

Slater, Joseph (ME)

Turbine Disk Assembly Damper Test System

Presented at the 7th National Engine High Cycle Fatigue Conference, May 14-17, in Palm Beach Gardens, Florida. The paper is co-authored by Rachel Gligorich (BSME 2002.)

INTERNATIONAL COMPETITION FOR INNOVATIVE TECHNOLOGIES FOR THE TREATMENT OF MEDICAL WASTE IN RURAL AREAS

Health Care Without Harm is inviting students, professors, and researchers in the fields of engineering and related fields to participate in the competition. For students, it will be an opportunity to learn more about physical, chemical, and biological processes involved in disinfection, and to apply engineering principles to find a practical solution to a serious global problem. Competition awards a top prize of \$5,000.

For complete application instructions and design criteria, go to <http://www.medwastecontest.org> or contact Health Care Without Harm at (202) 234-0091 or info@medwastecontest.org.

Letters of intent are due on or before October 1, 2002.



Congratulations June 2002 Graduates



BACHELOR'S DEGREES

Jacob Abraham BSBE
 Laron Algren BSIS
 Samuel Anderson BSME
 Chad Apple BSCE
 Rami Arafat BSIS
 Prachi Asher BSBE
 Matthew Beach BSBE
 Curtis Beard BSCS
 Ovidio Bocanegra BSME
 Todd Burman BSBE
 Amanda Campbell BSIS
 Corey Campbell BSME
 Nighat Chaudhry BSCS
 Dominic Corbin BSCS
 Dale Cull BSEE
 Kevin Daniel BSCE
 Joseph Dapore BSCE
 John Davis BSME
 Theodore Dicks BSCS
 Steven Dooley BSME
 Matthew Everhart BSME
 Aaron Fifarek BSCS
 Betsey Fleming BSEE
 Matthew Floyd BSEE
 Adam Fournier BSBE
 Patricia Gehring BSBE
 Brian Geist BSEP
 Sean Gleeson BSMS
 Rachel Gligorich BSME
 Robert Goble BSCS
 Miguel Gomez-Zapata BSCE
 Jeffrey Haferd BSME
 Matthew Hanneman BSME
 Christy Harm BSBE
 Brandy Hill BSBE
 Michael Hood BSCS
 Tahmina Husain BSCS
 Julie Jackson BSEE
 Erica Johnson BSBE
 Andrea Jones BSEE
 Ryan Justice BSBE
 Brian Kandell BSBE
 Emily Kempfer BSIS
 Kevin Kessler BSME
 Bunnyray Larmond BSME
 Harvey Lewis Jr. BSBE
 Ya Li BSEE
 Christopher Logan BSME
 Teena Manimaletu BSBE
 Towsif Mannan BSCS
 Alan Martin BSEP
 Jeffrey Martin BSBE
 Alan Mboula BSEE

James McCloskey BSME
 William McCormick BSMS
 Richard McKinley BSBE
 Chad Miller BSCE
 Kevin Miller BSME
 Robin Miller BSIS
 Ajit Mohan BSIS
 Arash Moradmand BSCS
 Edward Morris BSME
 Santosh Prem BSEE
 Christina Price BSCS
 Douglas Rahrig BSME
 Robert Reuter BSMS
 Joshua Rice BSCS
 Erik Ripberger BSMS
 Matthew Roberts BSBE
 Eric Roush BSME
 Robert Rudolph BSEE
 Stephanie Runyon BSME
 Jason Scarberry BSME
 Onome Scott-Emuakpor BSME
 Michelle Skogberg BSME
 Aaron Slusser BSEE
 Jonathan Stammen BSME
 Daniel Stefan BSIS
 Richard Tobey BSBE
 Gregory Updike BSME
 Robert Voisard BSEE
 Ryan Wagner BSME
 David Walker BSBE
 Wesley Ward BSME
 Beth Wirick BSBE

MASTER'S DEGREES

Jaishree Alreja MSHF
 Maryam Amiri MSHF
 Shashanka Ashili MSEE
 Karthikeyan Balasundaram MSEE
 Sabuj Banerjee MSEE
 Ashish Bayas MSEE
 Amy Bierce MSBE
 Hadi Bsat MSBE
 Arvindkumar Chakravarthy MSEE
 Vinod Chandran MSEE
 Naveen Chillamecheria MSEE
 Carl Conklin MSEE
 Alex Craig MSMA
 Matthew Curtis MSMA
 Shrinivas Damle MSEE
 Tushar Desai MSEE
 Timothy Farmer MSMA
 Thomas Fehringer MSME
 Francis Feldmann MSEE
 Keith Francis MSEE

BSME
 BSMS
 BSBE
 BSCE
 BSME
 BSIS
 BSIS
 BSCS
 BSME
 BSEE
 BSCS
 BSME
 BSMS
 BSCS
 BSMS
 BSBE
 BSME
 BSEE
 BSME
 BSME
 BSME
 BSEE
 BSME
 BSIS
 BSBE
 BSME
 BSEE
 BSME
 BSBE
 BSME
 BSBE

Rama Gullapalli
 Anand Gurusamy
 Srinivas Guruzu
 Michael Hagee
 Bret Hartzell
 Robert Helt
 Patrick Hilgendorf
 Anarag Jain
 Sunil Kamanalu
 Yingbo Kou
 Erich Kring
 Karthik Krishnan
 Swaminathan Krishnaswami
 Milind Kulkarni
 Venkatesh Laxminarayanan
 Rong Liu
 Sriram Mahadevan
 Sudhakar Mahalingam
 Lori Mansfield
 Samuel Mantravadi
 Michael Myers
 Shruti Narakesari
 Shailesh Nerurkar
 Michael Papp
 Sharad Pawar
 Travis Pelo
 Steven Perretta
 Sasanka Prabhala
 Akila Rajagopal
 Adam Renner
 Bharat Sagi
 Madhu Salaji
 Kunal Shah
 Padmashri Shivanandappa
 Xu Su
 Ming Sun
 Xue Sun
 Shyam Sundaramoorthy
 Bha-ath Tanneru
 Vishnu Varre
 Anders Walker
 Mingzhen Wang
 Cory Williams
 Timothy Young
 Chen Zheng
 Jun Zheng
 Tongliang Zhou

DOCTORAL DEGREES

Ravi Penmetsa Egr. Ph.D.
 Vincent Schmidt CSE Ph.D.
 Michael Stephens Egr. Ph.D.
 Hong Zhang CSE Ph.D.

Please Note: This list is not binding. All names listed above are subject to degree certification before graduation is considered final.

Continued from page 2

Highland Heights, Kentucky. At this co-op position Joseph performed various types of mathematical computations and got involved in experimental activities dealing with destructive cable analysis.

While at Wright State, Joseph has been a member of Tau Beta Pi, Phi Kappa Phi, and the Golden Key National Honor Society.

Edward Morris - Outstanding Student in Mechanical Engineering

Edward came to Wright State from

Solon High School in Solon, Ohio. While in high school, Edward maintained a GPA of 3.96 while participating in a number of extracurricular activities. Since coming to Wright State he has maintained a 3.98 GPA majoring in Mechanical Engineering and minoring in Business Administration. He has been awarded a number of scholarships at Wright State and received the University Libraries' Top Scholar award.

For the past two years, Edward has been a research assistant at Wright Patterson Air Force Base. His duties included performing data analysis for material fatigue tests using Air Force proprietary software and per-

forming literature searches.

Prior to his work at Wright Patterson Air Force Base, Edward was a calculus and algebra lab assistant. As part of his lab duties, he was required to assist students with their lab work, grade homework and lab assignments, and teach algebra to small groups of students.

Edward has been a member of Tau Beta Pi, the Society of Automotive Engineers, the American Society of Mechanical Engineers, and the Electric, Manufacturing and Coil Winding Association.

Congratulations to all of our Outstanding Students!


The College of Engineering and Computer Science would like to invite everyone to attend the Awards and Recognition Ceremony on June 7th at 4:30 PM in the Student Union Multipurpose Room. Come and join us in celebrating our outstanding students, faculty and staff!! Please RSVP to 775-5001 or email jgarring@cs.wright.edu.

— Student Facts —

Leger, Tim (BSME, MSME, current Ph.D. Student)

Transonic Compressor IGV Forced Response Obtained with a MEMS Flex Sensor Pressure Array

Presented at the 7th National Engine High Cycle Fatigue Conference, May 14-17, in Palm Beach Gardens, Florida. The paper is co-authored by Tim Hutton (BSME, current MSME student, Dr. David Johnston (ME) and Dr. Mitch Wolff (ME.)

BITs & PCs College of Engineering and Computer Science Wright State University 	
Dean James E. Brandeberry, Ph.D., P.E.	Editor Jenny Garringer
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 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.	
The next issue of BITs & PCs will be published the week of September 2, 2002. To submit items for this issue, call the College of Engineering and Computer Science at (937) 775-5001, or send email to jgarring@cs.wright.edu by August 19, 2002. The College of Engineering and Computer Science reserves the right to edit all material for publication.	

SCHOLARSHIPS AND FELLOWSHIPS

The American Public Power Association (APPA) is accepting applications for one of its ten \$4,000 scholarships to students to conduct research on a project approved by a sponsoring DEED member utility. Upon completion of the project, students are expected to submit a final report and a 2 page abstract of the project to APPA. Projects can be performed in conjunction with a utility program or can be a part of the students' curriculum requirements. Deadline is July 31, 2002. For more information and an application visit DEED's website at <http://www.appanet.org/DEED/scholarships/scholarsips.cfm>. You may also call Michele Ghosh (202) 467-2942 or email her at DEED@APPAnet.org.

The American Public Power Association (APPA) awards scholarships each year of its DEED (Demonstration of Energy-Efficient Developments) Program. APPA will award one Technical Design Project each year intended to promote the involvement of students studying energy related disciplines and geared towards engineering students. Students are expected to complete a project approved by their academic advisor and submit a final report and

a 2 page abstract of the project to the APPA. The successful applicant will also present the project at the APPA Engineering and Operations Technical Conference (E&O). This scholarship is for \$5,000, plus travel expenses (up to \$3,000) to travel to the E&O Conference. Deadline is October 15, 2002. For more information and an application visit DEED's website at <http://www.appanet.org/DEED/scholarships/scholarsips.cfm>. You may also call Michele Ghosh (202) 467-2942 or email her at DEED@APPAnet.org

The Ohio Board of Regents and The Washington Center (TWC) provide individual \$4,000 scholarships to qualified students at Ohio institutions who wish to participate in TWC internships. Students work full-time for 10 weeks, 4 days per week. They attend a weekly class, fulfill community service activities, assemble a portfolio, and meet once a week with a placement supervisor. Special program events may include visits to embassies, the White House, presentations by dignitaries or other public figures, or openings of special exhibits.

Students live in high-rise apartment buildings in the Alexandria, Virginia area close to a Metro stop. Housing

is furnished and includes cooking facilities. Housing is shared with at least one other participant. Positions are available for all majors. Interested students should read The Washington Center employer file in Career Services (E334 Student Union) or visit <http://www.twc.edu>. For more information, including deadlines for each quarter please contact Debra Wilburn in Career Service at (937) 775-2556 or via email at debra.wilburn@wright.edu.

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 \$1,000. Recipients are guaranteed employment for three years as a Bioenvironmental Engineer after graduation. U.S. citizenship is required.

For more information, contact:

TSgt Ed Lackey
2940 Presidential Drive, Suite 160
Fairborn, OH 45324-6210
Email: ed.lackey@rs.af.mil

Attention Faculty and Professionals

The Fulbright Scholar Program is offering awards in 140 countries for college and university faculty and administrators as well as professionals from the business community and government, artists, journalists, lawyers, independent scholars and many others.

Traditional Fulbright awards vary from two months to an academic year or longer. A new short-term grants program — The Fulbright Senior Specialists program — offers two- to six-week grants in a variety of disciplines and fields.

Awards descriptions and application materials can be found on the CIES website at: www.cies.org or contact by email at apprequest@cies.iie.org. Applications deadlines for the 2003-2004 awards are:

- ◆ **May 1** for Fulbright Distinguished Chair awards in Europe, Canada and Russia
- ◆ **August 1** for Fulbright traditional lecturing and research grants worldwide
- ◆ **November 1** for the summer German Studies Seminar and for spring/summer seminars in Germany, Korea and Japan for academic and international education administrators
- ◆ Fulbright Senior Specialists Program – **rolling deadline**

Outstanding ASME Student Awarded



Pictured (l-r): Dr. Mitch Wolff presents Rachel Gligorich with the Outstanding ASME Student award.

Rachel Gligorich was recognized as the Outstanding ASME Student of the Wright State ASME Student Section. She is a senior mechanical engineering student and will be starting graduate school at Purdue University this fall studying turbomachinery vibrations. She has been the ASME section president for the past two years.

Engineering and Computer Science Co-Op Recruiting Day

If you are interested in co-oping during Fall or Winter Quarter, then the Engineering and Computer Science Co-Op Recruiting Day is just right for you. Approximately 30-35 area companies will have tables setup in the atrium of the Russ Engineering Center.

Engineering & Computer Science Co-Op Day

Thursday, July 25, 2002

1:30 p.m. to 4:30 p.m.

Russ Engineering Center Atrium

In order to participate in the co-op day, you must be registered with Career Services. For more information contact Kim Gilliam in Career Services at (937) 775-2556 or via email at kim.gilliam@wright.edu. A complete company listing will be available on their website at:

<http://career.wright.edu>

The Dayton Chapter of the Ohio Contractors Association invites you to participate in their annual Constructor For A Day Program

October 17, 2002

8:00 AM

The day will include site tours of heavy and highway construction projects in the greater Dayton area, as well as a visit to a working asphalt or concrete plant and an engineering/design consulting firm.

The day will conclude with dinner at the monthly business meeting, which usually ends around 9:00 PM.

Many OCA members will be seeking interns and co-op students in addition to full-time employees.

This program offers students an opportunity to view real-life applications of their classroom studies as well as the chance to meet potential employers.

For more information, please contact

L. P. "Larry" DeRoo
Vice President
Ahern & Associates, Inc.
3815 Springfield-Xnia Rd.
Springfield, OH 45506
(937) 322-5213
FAX (937) 322-5233



Winter 2002 Dean's List

Reprint



BIOMEDICAL ENGINEERING

Kelly Barrett	Highest Honors
Matthew Beach	Highest Honors
Mats Bennett	High Honors
Tonya Dieker	High Honors
Tracy Dieker	High Honors
Adam Fournier	High Honors
Jennifer Garber	Highest Honors
Emily Henderson	Highest Honors
Andrea Horstman	Honors
Michael Jean	High Honors
Erica Johnson	Highest Honors
Ryan Justice	High Honors
Michael Kahelin	Highest Honors
Maria Kahle	Highest Honors
Carmelo Lamancusa	High Honors
Andrew Maley	Highest Honors
Richard Mckinley	Honors
Faridal Mutalib	High Honors
Jeremy Nelson	Honors
Michael Rueschman	Highest Honors
Anthony Sabatini	Highest Honors
Jennifer Steinmann	High Honors
Erin Tewksbury	Highest Honors
Jenna Warman	Highest Honors
Catherine Zelnio	Highest Honors

COMPUTER ENGINEERING

Chad Apple	Highest Honors
Russell Block	High Honors
Jason Boudi	Highest Honors
Peter Buxa	Highest Honors
Allen Dukes	Honors
Kenneth Eber	High Honors
Chad Erisman	Highest Honors
Adam Ewing	Highest Honors
Matthew Gerald	High Honors
Trunali Grissom	High Honors
Eric Hamilton	High Honors
Allen Hena	Highest Honors
Jason Horsman	High Honors
Charles Hoskins	Highest Honors
Hardik Lagad	High Honors
Naina Pothini	High Honors
Roy Price	Honors
Kenneth Selz	Honors
Christopher Sielski	High Honors
Samuel Stone	Highest Honors
Kip Streithorst	Highest Honors

COMPUTER SCIENCE

Osama Abbas	Highest Honors
Natalia Bartholomew	Highest Honors
Curtis Beard	Honors
John Berberich	High Honors
Christopher Bernholt	Honors
Thomas Boehnlein	Highest Honors
Kevin Bonifas	High Honors
William Etienne	Highest Honors
Ilya Figotin	Highest Honors
Ryan Flynn	Honors
Robert Gauden	Honors
David Green	Highest Honors

Michael Hood	Honors
Charles Johnson	Honors
David Johnson	Highest Honors
David Light	Highest Honors
Towsif Mannan	Honors
Ross Newton	High Honors
Noah Niekamp	High Honors
Mitchell Oliver	Highest Honors
Wallace Parks	Highest Honors
Chintan Patel	High Honors
Christina Price	Highest Honors
Rania Sahawneh	Highest Honors
Dasha Semenova	High Honors
Yan Shapochnik	Honors
Jeffrey Switzer	High Honors
John Tobe	Honors
Christopher Ward	Honors

ELECTRICAL ENGINEERING

Emad Al-Tabakha	High Honors
Jeremy Burns	Highest Honors
Matthew Casto	Highest Honors
Andrew Collier	Honors
Dale Cull	Highest Honors
Matthew Floyd	Honors
Matthew Graham	High Honors
Henry Griffith	Highest Honors
Julie Jackson	Highest Honors
Andrea Jones	Honors
Carrie Lawson	Honors
Brian Ore	High Honors
Jason Sawdy	High Honors
Robert Voisard	Highest Honors

ENGINEERING PHYSICS

Dean Brown	Highest Honors
Daniel LeMaster	Highest Honors

HUMAN FACTORS ENGINEERING

Janet Bensman	High Honors
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INDUSTRIAL & SYSTEMS ENGINEERING

Rami Arafat	Honors
Elizabeth Chadwell	Highest Honors
Ben Gerlach	High Honors
Sara Johnson	High Honors
Renecia Joseph	Honors
Joseph Nagy	Highest Honors
Joel Ogden	Honors
Andrea Thompson	High Honors
Brad Wooddell	Highest Honors

MATERIALS SCIENCE & ENGINEERING

Joshua James	Honors
Joseph Kell	High Honors
Erik Ripberger	Highest Honors
James Ryan	High Honors
Nick Yust	Honors

MECHANICAL ENGINEERING

Samuel Anderson	High Honors
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Mark Arlinghaus	Highest Honors
Carl Atzbach	High Honors
Craig Baudendistel	Highest Honors
Erin Bernard	Highest Honors
Ovidio Bocanegra	Highest Honors
Joshua Burger	Honors
Corey Campbell	High Honors
Steven Dooley	Highest Honors
Gerges Ephrem	High Honors
Andrew Fleming	Highest Honors
Mary Fowler	High Honors
Joseph Fuhr	High Honors
Shane Gaerke	High Honors
Matthew Gardner	High Honors
David Gerschutz	Honors
Rachel Gligorich	High Honors
Brendhan Goss	High Honors
Timothy Green	High Honors
Brad Hardyman	Honors
Kevin Kessler	Honors
Jason Kremer	Highest Honors
Bernhard Lastoskie	High Honors
Jeffrey Laubenthal	Highest Honors
Jeffrey Lichty	Highest Honors
Brian Lovewell	Highest Honors
Travis Michalak	Highest Honors
Aaron Morgan	Honors
Edward Morris	Highest Honors
Zachary Osborn	Highest Honors
Gregory Palm	Highest Honors
Aaron Powell	Highest Honors
Jason Robinson	High Honors
Eric Roush	Highest Honors
Stephanie Runyon	Highest Honors
Adrienne Schaab	Highest Honors
Adam Shook	Honors
Joshua Szarek	Highest Honors
Shawn Uhlenhake	Highest Honors
Gregory Updike	Highest Honors
Justin Van Horn	Highest Honors
Ryan Wagner	Honors
Lindsay Walthall	Highest Honors
Wesley Ward	Highest Honors

PRE-BIOMEDICAL ENGINEERING

Monica Mckitterick	Honors
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PRE-COMPUTER ENGINEERING

Justin Chevront	Highest Honors
Andrew Dittes	Honors
Michael Goetz	High Honors
Kevin Grimm	Honors
Craig Halberstadt	High Honors
Jessica Lemoine	Honors
Terry Mathews	Honors
Gregory Miles	High Honors
Linda Moore	High Honors
Pride Starnes	Highest Honors

PRE-COMPUTER SCIENCE

Jonathan Ball	High Honors
David Best	High Honors
Tiffany Bevins	High Honors



Winter 2002 Dean's List

Reprint
(continued)



Craig Birkemeier High Honors
 Jeffrey Bissantz Highest Honors
 Matthew Hazen High Honors
 James Knapp High Honors
 Ryan Mummy Honors
 Jameson Orndorff Honors
 Reginald Osborne Highest Honors
 Todd Rovito Highest Honors
 Stuart Sergeant Honors
 Jeffrey Shininger High Honors
 Adam Timmerman High Honors
 Jeffrey Vondruska Highest Honors

PRE-ELECTRICAL ENGINEERING

Jason Blackaby Highest Honors
 Anthony Halley Highest Honors
 Christopher Kimmet High Honors
 Jacob Plasters Highest Honors
 John Stauffer Honors
 Daniel Wells Highest Honors

PRE-MATERIALS SCIENCE & ENGINEERING

Adam Lenger Highest Honors

PRE-MECHANICAL ENGINEERING

Mark Brooks High Honors

UNIVERSITY COLLEGE

Kevin Bohman Highest Honors
 Kevin Bolds High Honors
 Joshua Boyle Honors
 Andrew Brackman Highest Honors
 Clifton Bullmaster Highest Honors
 Gregory Burri Honors
 Brian Butts High Honors
 David Carr Honors
 Joshua Cole Highest Honors
 Matthew Crabtree Highest Honors
 Anthony Decerbo Highest Honors
 Zachary Dorman High Honors
 Levi Elston High Honors
 Daniel Featherstone High Honors
 Jessica Fewlass High Honors
 Jeff Flinn Highest Honors
 Justin Gastrich High Honors
 Gerald Grewell Honors
 Lisa Griffith Honors

Carlos Gutierrez Highest Honors
 Tiffany Hall Honors
 Tiffany Harris Honors
 William Johnson Highest Honors
 Brandon Judy Honors
 Heung-Su Kim High Honors
 Nicholas Kitchen Highest Honors
 Jeremy Mix Honors
 Taiwo Ogunjobi Honors
 Lalu Patel High Honors
 Jonathan Picklesimer Highest Honors
 Nathan Queen High Honors
 Richard Rose Highest Honors
 Luisa Schmidt Honors
 Spencer Schotz High Honors
 Alexey Semjonovs High Honors
 Parag Sharma Honors
 Jason Southworth High Honors
 Daniel Stucke Honors
 Randy Tobe Highest Honors

CONGRATULATIONS!!

*College of Engineering
 and Computer Science
 Annual Awards and
 Recognition Ceremony*

Friday, June 7, 2002

4:30 PM

*Student Union
 Multipurpose Room*

*The
 Order of the Engineer
 Steel Ring Ceremony*

Friday, June 7, 2002

7:00 PM

*Student Union
 Multipurpose Room*



*Join us as we honor outstanding
 students, faculty, and staff.*

Reception immediately following the ceremony.

*Reception immediately
 following the ceremony.*



Goss Selected as Cadet of the Year



Cadet Brendan A. Goss, a junior at Wright State University and member

Ranked number one among nearly 2,700 juniors enrolled in the Air Force ROTC nationwide, Goss maintained a 3.9 cumulative grade-point average in mechanical engineering, and has earned honors or highest honors every term.

ficer corps status, Goss also achieved Distinguished Graduate designation at field training and was selected for the competitive Airman Scholarship Commissioning Program. In addition, he demonstrated his leadership abilities by preparing 17 cadets for the challenge of field training.

of the Air Force Reserve Officer Training Corps Detachment 643, has earned the Air Force Association Cadet of the Year Award. Goss competed against 900 cadets from 143 Air Force ROTC programs in the nation who exemplify outstanding leadership abilities, exceptional academic achievement, and the highest degree of potential for future officership, to win the award.

“Brendhan has been a tremendous asset to our professional officer corps,” said Col. Joseph C. Bebel, head of aerospace studies at Wright State University. “Upon attaining professional officer corps status, he immediately volunteered for arguably the most challenging corps leadership position — operations group commander.”

“Cadet Goss’s high personal standards, relentless dedication, and impeccable example have resulted in increased physical fitness test scores and transitory drill skills for the cadets under his tutelage,” said Bebel.

“He will graduate with honors in the most demanding of curriculums and will leave behind a legacy of excellence.”

Besides earning professional of-

2002 Graduate Student Excellence Awards

The School of Graduate Studies recognizes the achievements of the individuals listed below by honoring them with the 2002 Graduate Student Excellence Awards. These awards are based on nominations by faculty in the students’ graduate program area. Criteria for the selection include superior academic achievement, noteworthy thesis work, and potential for significant contribution to their fields.

MASTER’S STUDENTS

Charles Greenwald
Gregory Helm
Benjamin Henney
Swaminathan Krishnaswami
Sudhakar Mahalingam
Amy Matthews

Computer Science
Computer Engineering
Electrical Engineering
Materials Science and Engineering
Mechanical Engineering
Human Factors Engineering

DOCTORAL STUDENTS

Brian Beachkofski
John Holt

Engineering Ph.D.
Computer Science & Engineering Ph.D.

Congratulations!!

NCSI Offers Local Workshop on Computational Science Modeling and Simulation

The National Computational Science Institute (NCSI) will offer an introductory workshop entitled, "Introduction to Computational Science Modeling and Simulation in the Undergraduate Environment." The workshop will be held June 16-22 at OSC (Ohio Supercomputer Center), located on The Ohio State University campus. Faculty teams will learn to incorporate interactive simulations and model-building assistants in the classroom.

Selection criteria and applications for the summer 2002 workshops can be viewed at: <http://www.computationalscience.net/workshops/ncsiapp.html>.

The workshop is being offered at little or no cost to faculty, and those who live outside of the Central Ohio area will be offered free university lodging.

For more specific information, please contact Steve Gordon, OSC Deputy Director, by phone at (614) 292-4132 or email sgordon@osc.edu.

OSC (Ohio Supercomputer Center) is a state-supported high performance computing and networking center for Ohio colleges and universities. Wright State University faculty use our high performance computing resources for data-intensive research as well as training.

ITRI News

On May 1, 2002, *ITRI*, together with the University of Cincinnati and the Air Force Research Laboratory, hosted the Molecular Bio-Computing Workshop at Wright State. Forty attendees from academia and the Air Force listened to keynote speaker Dr. Rouvain Bension from the NeoTech Development Company speak on "Ancient Computing Techniques Reapplied to Molecules." Dr. Nikolaos Bourbakis, *ITRI* Director, gave a presentation on Bioinformatics Education. Dr. Victor Chan from the Air Force Research Laboratory at Wright-Patterson Air Force Base spoke on Microarrays Platform and Dr. Victor Weedn from Carnegie-Mellon University gave a talk on Bio-Computing. A panel discussion on ways to use microarray platforms in computing followed.

Fourth Annual Summer Institute on Advanced Computation Being Planned

The Fourth Annual Summer Institute on Advanced Computation (SIAC) will be held at Wright State University, August 26-28. This year's Institute will focus on visualization, imaging, and modeling. SIAC is funded by the Ohio Supercomputer Center and co-hosted by *ITRI* and the Department of Computer Science and Engineering. A tentative agenda can be viewed on the *ITRI* website at www.cs.wright.edu/itri. Registration will be open soon.



National Society of Black Engineers

Our mission is to increase the number of culturally responsible black engineers who excel academically, succeed professionally, and positively impact the community.

Congratulations to the new 2002-2003 NSBE Executive Board!

President:	Tanisha Williams
Vice-President:	Rahel Rudd
Secretary:	Ruthann Collins
Treasurer:	Jennifer Brown
Membership Chair:	Tamara Walker
Academic Excellence Chair:	Bianca Brown
Programs Chair:	Shane'e Houston
Finance Chair:	Jeannetta McKinney
Publication Chair:	Raymond Johnson
Telecommunications Chair:	Brian Alls
Pre-College Initiative Chairs:	Andrea Bolds Catherine Wilson

Leaders...prepare for the 2002-2003 school year!

For more information, visit NSBE at: www.cs.wright.edu/~nsbe

ACM-IEEECS News

LINUX INSTALL FEST A SUCCESS!

On May 24th, ACM-IEEECS hosted the first Linux Install Fest on campus. We had over a dozen successful installs. Thanks to the following people for all of their help: all the volunteer installers and presenters, Dr. Travis Doom, Dr. Matt Rizki, Dr. Jennifer White-Doom, Dr. Oscar Garcia, Todd Warner from RedHat, Keith Huck, ACM-IEEECS club members, Jenny Garringer, and Dr. Mike Raymer.

Watch for Linux Install Fest 2 next year.

ACM PROGRAMMING CONTEST

Do you think you are a good programmer? The ACM has held a worldwide programming contest since 1970. Participation has grown to over 3,000 teams involving more than 17,000 of the finest students and faculty in computing disciplines at over 1,300 universities from 67 countries on six continents. Prizes, scholarships, and bragging rights are at stake for some of the world's finest university students of computing. The contest will be held November 8-9, 2002, transportation will be provided by WSU's ACM-IEEECS club.

If you are interested and can program C, C++, or Java visit the ACM-IEEECS website at <http://www.cs.wright.edu/~csclubs>

U.S. Navy Collegiate Programs

NUCLEAR PROPULSION OFFICER CANDIDATE (NUPOC)

Eligibility:

- Must be a U.S. citizen
- Must be physically qualified
- 19-29 yrs. old on date of commissioning
- Minimum 3.0 GPA on a 4.0 scale (18 months or less from graduation)
- 1 year of calculus
- 1 year of calculus-based physics

Benefits:

- \$10,000 signing bonus
- Earn up to \$2,500 per month as an E-6
- Receive medical/dental coverage and life insurance
- Possible advancement through E-7 while in college
- College active duty is constructive time for retirement
- No uniforms, no training while in college
- \$2,000 training completion bonus (after Nuclear Power School)

CIVIL ENGINEERING CORPS COLLEGIATE PROGRAM (CEC)

Eligibility:

- Must be a U.S. citizen
- Must be physically qualified
- 19-34 yrs. old on date of commissioning
- Minimum 3.0 GPA on a 4.0 scale (engineering or architecture degree)
- 24 months or less from graduation (in an accredited ABET or NAAB program)

Benefits:

- Earn up to \$60,000 while working on your college degree
- Receive medical/dental coverage and life insurance
- Possible advancement through E-5 while in college
- College active duty is constructive time for retirement
- No uniforms, no training while in college

For more information on either program visit www.navy.com or contact:
Breckenridge Morgan, LCDR, USN
(800) 553-1146 Ext. 128
morganb@cnrc.navy.mil

Office of the Dean

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

