Chair's Message

Welcome to the latest edition of our newsletter. As you read this document, I hope you are impressed with the department achievements over the past year. Many exciting developments affecting the faculty and students in various ETEC programs have occurred.

During January 2004, the department moved approximately half of its laboratories and all of its faculty and staff to the new Research Park. Architectural and facilities planning are almost complete with construction due to begin in March on the next phase of the relocation. This summer, the manufacturing and mechanical laboratories will be moved from the main campus. Consolidating all the programs in one place will greatly facilitate the efficiency of our operations.

The construction engineering technology (CNET) program is being reinstated due to encouragement from industry and prospective students. We now have sufficient space to accommodate construction laboratories. It is anticipated that new students will be welcomed into the program beginning with the fall 2005 semester. Participating with a leading steel company will help to establish the program nationally in the area of light cold-formed steel construction. A faculty member was recently hired to assist in the research activities of the program. A new laboratory to accommodate construction academic and research needs is in the planning stages. Accreditation from the American Council on Construction Education (ACCE) and the Accreditation Board for Engineering and Technology (ABET) is planned.

Because the entire College of Engineering is located at the Research Park, new synergism between ETEC and the departments in computer science and engineering, electrical engineering, and materials science and engineering has developed. In addition to sharing courses across the various departments, academic and research laboratories are open to collaboration when appropriate. Most faculty have forged new partnerships creating a boundary free environment for interdisciplinary activities. This is especially important as research activities increase in the college.

Please accept my invitation to visit our new facilities and learn more about our developments. We welcome the opportunity to discuss partnerships that may include gifts or grants, graduate or undergraduate applied projects, or funded projects that require our faculty expertise. I look forward to hearing from you.

Albert B. Grubbs Jr., Ph.D. Chair and Professor, Department of Engineering Technology, P.O. Box 310679, 3940 North Elm Street, University of North Texas, Denton, Texas, 76203, Phone: (940) 565-2022, Email: grubbs@unt.edu
Society of Women Engineers is a non-profit, national educational and service organization founded in 1950 that promotes the engineering field as a desirable career inspiration for women. SWE serves as an organization to make women aspire, advance and achieve in engineering.

Ms. Carol Bachman, Project Engineer for Peterbilt Motors Corporation delivered a presentation to the UNT Student Chapter on February 3, 2005 at the North Texas Research Park. She emphasized the importance of association involvement and the benefits of SWE. Ms. Bachman discussed scholarships and conferences students should attend that will permit them to network.

Plans are to include the SWE Student Chapter in the Engineers Week program. Also on the agenda is a future plant tour to Peterbilt Motors.

Ms. Leticia Anaya
Faculty Advisor

IEEE Student Chapter

Christian Winter, IEEE Chair
The IEEE Student Branch was runner-up in the 2004 website competition and was awarded $250. The competition is world-wide and there were only seven runners-up and three 1st through 3rd place finishes.

The chapter went to the Texas Instruments Digital Light Processing (DLP) plant and had an opportunity to talk with Dr. Larry Hornbeck, inventor of DLP. The group toured the DLP demo center.

Mark Sampson from UGS, Inc., visited the chapter and presented an address on product lifecycle management, systems engineering, and "thinking outside the box."

The chapter, along with other organizations, is currently in the process of National Engineering Week planning, including a college-wide career fair. The chapter's members will begin planning for the annual College of Engineering Banquet.

Vijay Vaidyanathan

Scholarships Awarded

A total of 18 scholarships have been awarded at the Departmental level to Engineering Technology majors.

The following scholarships were awarded Spring 2004 for Fall 2004 and Fall 2004 for the Spring 2005 Semester:

- Boeing Electronics - J. Antonio Mendoza;
- Fritz Roberson - J. Antonio Mendoza, Shailendar Raavi, Cheryl-Annette Kincaid and Luis Reyes;
- Jude Thaddeus - J. Antonio Mendoza, Shailendar Raavi, Cheryl-Annette Kincaid and Luis Reyes;
- President's Excellence - J. Antonio Mendoza, Shailendar Raavi, Cheryl-Annette Kincaid and Luis Reyes;
- Departmental - J. Antonio Mendoza, Shailendar Raavi, Cheryl-Annette Kincaid and Luis Reyes;
- President's Council - Cheryl-Annette Kincaid.

Ms. Leticia Anaya
Faculty Advisor

Tau Alpha Pi

Tau Alpha Pi is the national honor society for engineering technology, founded in 1953. Managed by the American Society for Engineering Education, TAP has 93 active chapters. The Texas Iota Chapter was established in 1996.

Newly elected members were recognized at the 2004 annual College banquet.

Officers for 2004 - 2005 are:

- President: Lonnie Langle
- Vice President: Robert Self
- Secretary: Conrad Craig

Michael R. Kozak
Faculty Advisor
Each year the Engineering Technology Department faculty select one outstanding student from each program who qualifies according to UNT guidelines.

The following undergraduate students were selected by the Engineering Technology faculty as the best of 2004-2005.

Electronics - Christian Winter, Mechanical - Richard Carson, and Nuclear - Gregory Bryan. The Outstanding Graduate Student for 2004-2005 is Quentin Vanderlaan.

ASHRAE Student Chapter

The American Society of Heating, Refrigeration and Air Conditioning Engineers officially established a student chapter of the professional society at UNT on February 4, 2004. Leo Stambaugh, Kurt Lyles and Nathan Hart of the Dallas Chapter participated in the ceremony and announced that Dr. Seifollah Nasrazadani received a second $5,000 grant to design and develop laboratory instrumentation to be utilized in a thermal sciences laboratory.

Elections for new officers were conducted:

President - Stephen Sturdivant
Vice President - Mario Alonso
Treasurer/Secretary - Trevor Lokie

Dr. Seifollah Nasrazadani
Faculty Advisor

Featured MEET Graduate Assistant

Christopher Borne

Mr. Borne received his B.S. in Electrical Engineering Technology from Louisiana Tech University in May 2004. Chris came to UNT to pursue the unique Dual Masters Degree program (MSET & MBA). In his spare time, Mr. Borne likes to read and be outside when the weather permits. One of his more interesting hobbies is fencing which he does with the UNT Fencing Club. Chris likes traveling back to Louisiana to see family and friends. He has chosen the thesis option for his MSET degree and works with Dr. Vaidyanathan on the Nodal Resistivity Measurement Project. Chris also is a research assistant for Dr. Albert B. Grubbs.

Dr. Vijay Vaidyanathan
Major Advisor

Featured MEET Graduate Assistant

Jeffrey E. Maestas

Jeffrey E. Maestas is pursuing a dual graduate degree: Master of Science in Mechanical Engineering Technology and a Master of Business Administration in Operations Management Science and expects to graduate in May 2005. Originally from northern New Mexico, Jeff earned his Bachelor of Science degree from the College of Engineering at New Mexico State University in Las Cruces, New Mexico and is employed in the Laser Ultrasonic Technology Center at Lockheed Martin Aeronautics in Fort Worth, Texas. He has two patents pending. Mr. Maestas is also a member of the adjunct faculty in the Engineering Technology Department at Tarrant County College, South Campus.

Jeff and his wife, Kathy, have four children: Jonathan (16), Kerri (14), Lauren (12) and Heather (8). His personal interests include Habitat for Humanity and the Phoenix Squadron of the Civil Air Patrol.

Dr. Monty Smith
Major Advisor
Sunlight Readability and Luminance Characteristics of Light-Emitting Diode Push Button Switches
Robert J. Fitch

Illuminated push button switches have been prevalent in cockpit control panels for decades. The switch's face may display a short word or symbol upon being depressed, or be illuminated remotely, indicating a change in system status that requires attention.

The study examined how utilizing LED push button switches designed by different manufacturers affects product performance along quantifiable measures. Six key attributes of switch lighting quality were tested.

Test results show all manufacturers' LED switches tested consume less power than a typical 3/4-inch incandescent switch. Avionics designers should note the disparity between average luminance of LED switches energized at 28V, especially when trying to match luminance levels between newer and older switches in the same panel as well as power consumption differences at full rated voltage when installing many switches in a single cockpit.

Dr. Albert B. Grubbs
Major Advisor

Design of Power Amplifier Test Signals With a User-Defined Multisine
Preeti Nagarajan

A power amplifier can be used in wireless and other broadcast transmitters, is expensive, take up space and dissipate heat. New designs of power amplifiers are constantly tested. A standard test signal is 524,288 data points long.

The problem is the length of the standard test signal. The major focus of this research was to match the complementary cumulative distribution functions of the simulated and standard test signal.

Results indicate a definite similarity between the CCDF generated by the standard test signal and that generated by the simulated test signal. There was no direct relationship between the correlation coefficients of the CCDFs and the number of samples used to generate the simulated test signal.

Dr. Perry McNeill
Major Advisor

Effects of Thickness and Indenter Tip Geometry in Nanoindentation of Nickel Films.
Padma Parakala

Nanoindentation has become a widely used technique to measure the mechanical properties of materials. The objective of this investigation was to utilize the experimental data obtained from nanoindentation to determine the deformation behavior, mechanical properties of thin films on substrates and bulk materials, and the effect of geometrically different indenters.

X-ray diffraction, transmission electron microscope, scanning electron microscopy and atomic force microscopy analyses were performed to measure any substrate effects. Results indicate indentation size effect strongly depends on the shape of the indenter and is less sensitive to penetration depth whereas hardness measurements depend on the shape of the indenter and depth of penetration.

Dr. Reza Mirshams
Major Advisor

Effect of Amines as Corrosion Inhibitors for a Low Carbon Steel in the Power Industry
Jorge G. Diaz

Commonly used amines in the power industry, including morpholine, FXD and DMA, were evaluated for their effect on AISI 1018 steel at 250°F. Samples were exposed to an autoclave containing an amine added aqueous solution. Morphology studies used an SEM, phase analyses, an FTIR and weight loss performed to assess kinetics of oxidation.

FXD showed the best performance in metal protection. FTIR showed that FXD favored the formation of magnetite. FTIR demonstrated that DMA formed more oxyhydroxides. SEM revealed that control and DMA produced acicular particles characteristic of oxyhydroxides while morpholine and FXD presented more equiaxed particles.

Dr. Seifollah Nasrazadani
Major Professor
Synthesis of Cubic Boron Nitride Thin Films on Silicon Substrate Using Electron Beam Evaporation

Prasanna Vemuri

Cubic boron nitride synthesis offers outstanding physical and chemical properties such as high hardness, high wear resistance and chemical inertness but is hindered by high compressive stresses and poor adhesion.

This research addressed the synthesis of boron nitride cubic phase on silicon wafers using an electron beam evaporator. Four sets of samples were deposited by varying the substrate temperature and deposition time. SEM, EDS, XPS and FTIR techniques were used to determine structure and composition of the deposited films.

It was determined that deposition at a substrate temperature of 400°C for a period of one hour yielded high quality cubic boron nitride films.

Dr. Seifollah Nasrazadani
Major Advisor

Computer Virus Containment Using Feedback Control

Arun Yellimeli

A security architecture based on feedback control theory proposes a feedback model with many controllers located at various stages of a network. The controller at each stage provides feedback to the one at a higher level and a decision about network security, if made.

The implemented controller detects an important anomaly of virus attack-rate of outgoing connections. Based on the feedback model, this symptom is fed back and a state model is developed using queuing theory to delay the connections and slow down the rate of outgoing connections. Upon implementation of this model, whenever an infected machine tries to make connections at a speed not considered safe, the PID controller kicks in and sends connections to a delay queue. Because of delaying connections, the rate of outgoing connections decrease. Also, because of delaying, many connections timeout and are dropped, reducing virus spread.

The control theory was applied to the designed system to test for stability and observability. Sensitivity analysis was performed to determine the sensitivity of the controller to the delay parameter.

Dr. Vijay Vaidyanathan
Major Advisor

How Scientists and Engineers are Solving Tough Navy Problems

Captain Gib Kerr, Program Manager, Submarine Acoustic Systems, Program Executive Office-Submarines spoke to the College of Engineering students on October 7, 2004 in the Research Park Auditorium. His presentation addressed how Mechanical Engineering, Biology, Chemistry/Chemical Engineering, Material Science, Electrical/Electronic Engineering, Computing/Computer Science/Computer Engineering, Physics, Modeling and Simulation, and Systems Engineering can all be used to solve problems for the US Navy. He also talked about the engineering challenges and accomplishments of technical systems used in defense of our country.

Students Tour Spencer Power Station

Students from MEET 3990 Applied Thermodynamics, under direction of Dr. Mitty Plummer, toured the Denton Power Plant in March 2004.
MEET/MFET Industrial Advisory Board Meeting
April 7, 2004

Dr. Michael R. Kozak updated the IAB on progress in the assessment process and answered questions. IAB involvement was highlighted. Dr. Grubbs agreed to post the "Characteristics of Engineering Technology Students" on department walls.

Discussion included the 3-D capability of CATIA, PRO-E and AutoCAD software and Engineers Week activities.

The meeting concluded with a tour of the Research Park.

November 8, 2004

In addition to six faculty and three members from the Dean's Office, representatives participated from four area industries.

Dr. Albert B. Grubbs welcomed everyone to the meeting. Dr. Phillip Foster reviewed the design of the new Manufacturing Engineering Technology space in the Research Park which is scheduled to be started in July, 2005. The Committee suggested that the department give consideration to a metrology lab in the new manufacturing space.

Dr. Mike Kozak updated the IAB on the progress of the assessment program.

Dean Oscar Garcia thanked the IAB for their assistance. We are a new college with new ideas. We can establish our own criteria and be responsive to industry's needs. Nucon Steel is expected to support the restart of the Construction Engineering Technology program. The College of Engineering has received $1,000,000 from NSF to assist with the Electrical Engineering program. The EE curriculum will be project oriented with one each semester. Additional programs under consideration include mechanical engineering and ecological or biological engineering. Graduates from the College of Engineering have the highest salaries of UNT.

Leticia Anaya presented the results of the DCBEST competition. Positive press was generated with college exposure to constituencies and potential students.

New Faculty Member
Dr. Cheng Yu

Dr. Cheng Yu is Assistant Professor of Construction Engineering Technology. Dr. Yu has five publications and has presented four papers. His research interests include analysis and design of thin-walled, cold-formed steel structures, seismic analysis, and finite element modeling of structures.

Dr. Yu comes to UNT from Johns Hopkins University in Baltimore, Maryland where he was a research assistant and teaching assistant. Cheng worked as a structural engineer for M&A Architects and Consultants International Co., Ltd. of Beijing, China. Dr. Yu is a member of the American Society of Civil Engineers.

New Faculty Member
Dr. Shuping Wang

Dr. Shuping Wang is Assistant Professor of Electronics Engineering Technology. She has four publications. Dr. Wang is the first joint appointment approved by the College of Engineering between Engineering Technology and Electrical Engineering.

Dr. Wang received her Ph.D. in Electrical Engineering from the University of Alabama. Prior to joining the UNT faculty, Shuping taught at Richland College, the University of Alabama in Huntsville, Georgia State University, North Carolina State University, Purdue University and the Central Institute of Project Planning and Research in Beijing, China. Dr. Wang is a member of the American Society for Chorum Technologies of Richardson, Texas, Project Engineer for Albany International Corp. of Albany, New York, Software Engineer for SCI Systems, Inc. of Huntsville, Alabama and Research Associate for the Research and Development Center, U.S. Army Missile Command, Redstone Arsenal, Alabama.

New Appointment
Dr. Robert Hayes

Dr. Robert Hayes has been appointed Undergraduate Advisor for all Engineering Technology Programs. He will also be responsible for orientation sessions for freshman and for transfer students. If you are interested in any of our undergraduate programs, Dr. Hayes can be reached at (940) 565-2022 or at hayes@unt.edu.
TXU Update

Dr. Mitty Plummer

The Nuclear Engineering Technology program at TXU enters its 16th year with students graduating in May 2005. Of the 80 graduates from the first class of the new College of Engineering at UNT, three were from Comanche Peak. Of the eight College of Engineering students graduating with honors, two (Curtis Biggs and Steven Nowak) were from Comanche Peak. This is a proud accomplishment.

Chairman

Dr. Seifollah Nasrazadani

Dr. Seifollah Nasrazadani has been named Chairman of TEG 145X Symposium of the National Association of Corrosion Engineers, to be held in San Diego, CA, March 12-16, 2006. The Symposium includes electrochemical performance evaluation of rust transformer evaluations, vapor phase and other volatile corrosion inhibitors. Authors interested in submitting a paper can contact Seifollah at nasr@unt.edu.

Software Donation

Dr. Elias Kougianos

Dr. Elias Kougianos obtained a software donation from Cadence Design Systems, Inc. for the Electronics Engineering Technology program. The software includes the complete line of Cadence's Analog, Mixed-Signal and Digital Integrated Circuit design products as well as board-level simulation and layout tools. The software is valued at $2.4M per license and a total of 300 licenses are provided.

Research Grant

Dr. Kougianos obtained a research grant involving a collaboration between Cadence Design Systems, Inc., Texas Instruments, Inc. and UNT. The one-year $50K grant is titled "Development of Design Flows, Tools and Methodologies for RF, Analog and Mixed-Signal ICs". As principal investigator, Elias coordinates the design and simulation process of next-generation ICs to ensure they meet performance specifications before actual silicon is produced, thus saving the involved companies re-spin costs while improving time-to-market.

Learning Enhancement Grant

Dr. Michael R. Kozak

Dr. Michael R. Kozak is coordinator for "Development of Engineering Ethics as a Web-Based Course and the Conversion of Professional Presentations to a Web-Based Course to Better Meet the Needs of the College of Engineering. The major instructor of the Engineering Ethics course will be Dr. Robert Brazile of Computer Science and Engineering.

UNT is embracing the trend to distributed learning. More than 23,000 UNT students registered for a Web-based course during the fall 2004 semester. The College of Engineering includes web-based course development as a high priority goal. This grant represents the College's ongoing efforts in addressing the critical need for integrating WebCTVista technologies in engineering and technology education.

Mike was recognized by UNT for 25 years service to the University on December 9, 2004 during a ceremony held in the University Union.

NUET Industrial Advisory Board Meeting

October, 2004

For the first time in the history of the Nuclear Engineering Technology program, there was a turnover in the Nuclear Engineering Technology Industrial Advisory Board. Mitch Lucas replaced Jim Kelly who retired as Vice President. Steve Sewell replaced Elizabeth Medders as Manager of Training's ex officio position. The new IAB reviewed possible changes to the curriculum and course objectives with no changes recommended.

Chairman

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Changes since the last IAB meeting include consolidating the DC and AC circuits class, hiring of a faculty member with VLSI expertise and a second faculty member with telecom experience. Drs. Kougianos and Wang were introduced. Dr. Kougianos reviewed his acquisition of Cadence software. Department facilities are available for IAB members. IAB members were asked to attend the next senior design presentation.

Dr. Michael R. Kozak reviewed TAC of ABET assessment status and the work completed by department faculty. He summarized the findings and emphasized the important role of IABs.

Two breakout sessions followed: Industry Breakout Session chaired by Dr. Vaidyanathan and Academic Breakout Session chaired by Dr. Robert Hayes. Industry topics discussed included: lab sponsorship, course project sponsorship, assigning projects to senior design undergraduate students, and assigning theses projects to graduate students. Academic discussion centered on articulation agreement updates, senior projects, TWU/UNT cooperation, and media engineering (visual and performing arts).
New Manufacturing/Mechanical Laboratory Facilities Coming Summer 2005 to the Research Park

You may be aware that virtually all of the MFET and MEET laboratories are still on the Main Campus in the Engineering Technology Building. Built in 1959, this structure has been the home of the ETEC program and its predecessor programs: Industrial Arts and Industrial Technology. Since August, 2004, the University has been making preparations to move these facilities to the Research Park, directly adjacent to the existing ETEC office suit and ELET labs. Included are separate rooms for Fluid Power, Thermal Sciences, Mechanical Testing and the General Access Design (GAD) Lab. A big change will be the topography of the manufacturing labs; there will no longer be separate labs - just a single large, open area. This single manufacturing lab will have the look of a modern industrial facility. Like processes will be clustered together. Redundancy, e.g. multiple tool storage rooms, will be eliminated along with extra walls. The floor plan will be open and adaptable to change. Large expanses of external windows will open on two sides of the building; it should be a striking view from the inside or outside. As many as four different classes can be simultaneously held in the new facility. The gray painted floors will be defined by yellow safety lines and yellow steel railings, simulating their industrial counterpart. Tall identification letters will be painted on the walls for purposes of locating the technical clusters where classes will be held. Also included in the project is one large faculty research lab, a new faculty/staff workroom and 9 new offices for expanding ETEC faculty. At this writing, the 100% Construction Documents are complete. Construction is slated to commence February 21 and be substantially complete June 30. It is expected that equipment will be installed, connected and operational by August 15, 2005.

Dr. Phillip Foster
Outstanding Alumni

Beginning in 1984, recognition has been awarded to outstanding alumni of UNT. The following individuals have graduated from what is now the Engineering Technology Department and have been so recognized.

Education

Dave Pullias  Ron Foy  John Richards
David Greer  Ralph Schultz  David Duncan
Floyd Trimble  Roger McSween  Jerry Drennan
Dale Lemons  James C. Cooke  M. D. Williamson
Brent Payne

Business or Industry

Lionel Sweeny  Guy Laney  Robert Lange
T. W. King, Jr.  Dwight Lowery  Robert Swanson
Robert Mitchell  Bennie Snyder  Alan Calvert
David Meinsinger  Hurles Scales  David C. Orf
Sean L. Mayes  Daniel Dickey, Jr.  Lee Palmer
Claudia Heinrich-Barna  Randall Reed  Robert Starrett
Toby Malone  J. Lee Natzic  Kevin K. Poole
Troy Wolf  Keith Zimmerer  Stephen Spurgin
Richard Brabec  John J. Balzer  Dale Martin
Brian Pavelek  Kit Wilson  Donald Boston
Ewell Condron  Leslie Darrah  Laura Tripp
Scott McCally

A Friday is set aside each April to honor alumni. A reception is held in the College of Engineering, followed by a University luncheon.

The outstanding alumni for 2005 are:

Electronics Engineering Technology

Todd Bishop  is an electrical engineer for OPTEK Technology, Inc. of Dallas, Texas. Todd creates schematics and simulations, and aids in layout of analog integrated circuit product design for new product development and continuous yield improvement of existing products. Mr. Bishop graduated with a bachelor of science degree in electronics engineering technology from UNT in 1998. While at UNT, he was selected the outstanding student in electronics for 1997-98 and served as an officer of Tau Alpha Pi Honor Society.

Manufacturing Engineering Technology

David Aikins  is a mechanical CAD designer and network administrator for Electra Test, Inc. of Murphy, Texas. Mr. Aikins' previous work experience includes quality assurance/product specialist for Aibre, Inc. of Richardson, Texas, product design engineer for Air Born, Inc. of Addison, Texas, and production manager for TTI Testron of Richardson, Texas. While at UNT, David was a charter member of the local chapter of Tau Alpha Pi Honor Society. Mr. Aikins is a private pilot and enjoys snow skiing and scuba diving.

Mechanical Engineering Technology

Thomas Bush  is a design engineer for Peterbilt Motors Company of Denton, Texas. Mr. Bush has extensive design experience and mechanical knowledge of automobile components. He plans and implements projects using six sigma processes. Before joining Peterbilt, Thomas worked for SCS/Frigette of Fort Worth, Texas in quality control. Mr. Bush received a bachelor of science degree in mechanical engineering technology from UNT in 1997.

Industrial Education

Tim Williamson  is Customer Service Operations Manager for Peterbilt Motors Company of Denton, Texas. Mr. Williamson manages truck service publications and operations improvement. Before joining Peterbilt, Tim worked for Turbo Refrigeration Company, where he acquired experience in refrigeration system design, and for Acme Brick Company where he was involved in education and outside sales. Tim also taught for the Irving Independent School District. Mr. Williamson received a master of science degree from the University of North Texas in 1985.

In Memory

Dr. Delwin (M. D.) Williamson  

1919 - 2004

Delwin Williamson, 85, died peacefully at his residence December 10, 2004. He is survived by his sons Byron, Greg, Tim, David and Scott, ten grandchildren and two great-grandchildren. A professor emeritus at UNT, he is a graduate of the University of North Texas and the University of Missouri.

Dr. Williamson's son Tim is one of this year's outstanding alumni.

Alumni We Will Miss

L. Lyle Baker  99, taught industrial arts for more than 40 years. He retired in 1975. Born in Bismarck, MO, he received both his bachelor's and master's degrees in industrial arts from North Texas State Teachers College (now UNT). He is survived by his sister, two grandchildren and six great-grandchildren.

Hawkins Scarborough,  of Cedar Park, received his industrial arts education degree from UNT in 1950.

Jack Hedrick,  of Portland, Oregon, received his bachelor's degree in industrial arts education from UNT in 1965.
Engineer's Week Festivities at UNT
Leticia Anaya, Faculty Sponsor

Tuesday, February 22, 2005
11:00 a.m. Kickoff Speaker: Dr. Raymond A. Paul, Fellow IEEE, Department of Defense, Washington, D.C.
1:00 p.m. Cooperative Education and Career Center Open House: Come visit the Center. Know the people who can assist you with job placement. Refreshments provided.

Wednesday, February 23, 2005
10:00 a.m. Thinking Outside the Box: Take the Brain Twisters Quiz in the Computer Science Help Lab.
11:30 a.m. Best Student in the UNT College of Engineering: A test of skills on academic subjects taken during the first two years.
Noon Graduate Programs Open House: The College of Engineering provides graduate level information about the various programs.

Thursday, February 24, 2005
9:00 Open House: High school, middle school and home school students can tour the UNT College of Engineering and participate in contests that promote science, engineering and technology.
10:30 a.m. Special Speaker: Mr. Harvey Cragon, Professor Emeritus, University of Texas at Austin - "From Fish to Colossus: How the German Lorenz Cipher was Broken at Bletchley Park".
Noon UNT College of Engineering Lunch: Free lunch catered for students, faculty and staff of the College of Engineering.
1:45 p.m. Best Box Contest: Show off your highly decorated CPU box and win prizes.
2:30 p.m. Gaming Contest: Play your peers in a full out video game tournament, featuring Counter Strike, for cool prizes.

Friday, February 25, 2005
9:00 a.m. Career Fair: Companies advertise and provide on-the-spot interviews for internships and/or permanent positions.
2004 Faculty Publications


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Alumni Update
Your Assistance is Needed

Are you recently married? Do you have any new additions to your family? Have you been recently promoted? Have you moved? Let us know what is happening in your life. News of alumni will be published in future issues of this newsletter. So, please keep us informed.

Along with your news, include your name, address, phone, date of graduation and degree. If possible, also include a fax number, a recent photo of yourself and an e-mail address.

Mail to: “At a Glance”, Engineering Technology Department, P.O. Box 310679, University of North Texas, Denton, Texas, 76203-0679. Or, you may fax us at (940) 565-2666 or email to <etec@unt.edu>.

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Our New Home

UNT Research Park

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Robotics Competition
DC BEST

Fans, cheerleaders and the thrill of competition. The UNT Coliseum hosted the competition on October 30. Free and open to the public, approximately 350 students and 40 volunteers participated. Channel 8, Dallas, covered the event in its evening news.

DC BEST is Denton County Boosting Engineering, Science and Technology, a non-profit organization that holds robotics contests that encourage students to seek careers in science and engineering.

Students received supplies, rules of the game, orientation and an observation of the game field on Mall Day. During the Game Day, technology professionals assisted students from 27 high schools participating in the event.