



Dr. Alvin E. Rudisill

Preliminary Faculty Salary Survey Results Released

By Dr. Alvin E. Rudisill, NAIT Executive Director
Dr. Niaz Latif, Industrial Technology Department Head
Purdue University

The NAIT Office in cooperation with the Department of Industrial Technology at Purdue University is in the process of gathering salary information for administrative and faculty positions in Industrial Technology in four-year colleges and universities. We now have preliminary results from data submitted from 21 institutions in 17 different states.

Table 1 shows minimum, maximum, and average salaries for four levels of administrative positions. All of the institutions reporting were public institutions and twelve of the institutions had programs accredited by NAIT. The final survey results will be reported for institutions with NAIT accredited programs and institutions without NAIT accreditation.

Table 2 shows minimum, maximum, and average salaries for four levels of faculty positions. The number of positions reported in each institution varied as follows: Professor 0-8; Associate Professor 0-9; Assistant Professor 0-6; and Instructor/Lecturer 0-4.

In addition to salary information, institutions were asked to report total student headcounts in Industrial Technology for the 2001 Fall Semester/Term. A total of 20 institutions reported headcounts with 63 being the smallest and 988 being the largest reported; the average was 258 students.



Dr. Niaz Latif

TABLE 1: ADMINISTRATIVE POSITIONS:

Position	Number Reporting	*Minimum	Maximum	Average
Dean/Director	16/16	\$78,084	\$179,135	\$119,425
Associate Dean/Director	10/9	\$69,537	\$137,298	\$88,261
Assistant Dean/Director	5/5	\$68,660	\$80,944	\$74,197
Department Head/Chair	19/19	\$51,200	\$127,000	\$76,221

*number of positions reported/number of schools reporting.

TABLE 2: FACULTY POSITIONS:

Position	Number Reporting	*Minimum	Maximum	Average
Professor	47/14	\$49,277	\$88,255	\$68,052
Associate Professor	46/15	\$40,100	\$79,000	\$56,667
Assistant Professor	43/15	\$36,486	\$62,808	\$48,212
Instructor/Lecturer	23/10	\$30,000	\$57,504	\$40,167

*number of positions reported/number of schools reporting.

The complete results of the survey will be reported on the NAIT web site. Institutions may submit data on-line at www.tech.purdue.edu/it/information/survey/. The final deadline for submitting information is May 1, 2002. We encourage all four-year institutions with Industrial Technology programs to participate in the Salary Survey. ●

NAIT Awards and Leadership Election Information

Awards

CCTI Division: The Community College and Technical Institute Division, with sponsorship from the Goodheart-Willcox Company, makes up to six "Outstanding Industrial Technology Faculty" awards each year (one per NAIT Region). The awards are made to individuals having primary responsibilities in industrial technology programs and are based on excellence in teaching and service to the profession. Nominees need not be NAIT members, but must join NAIT if they are selected and wish to accept the award.

To nominate, contact your regional director (to find your geographic region, see below):

Region 1:

Dr. Nicholas Akinkuoye
nakinkuoye@ccac.edu

Region 2:

Ms. Kim Travers - kiml@hcc.cc.il.us

Region 3:

Mr. Larry Chalfant - lchalf@aol.com

Region 4:

Mr. Jeff Barratt - jbarratt@crowdercollege.net

Region 5:

Dr. Stan Aman - aman@wncc.nevada.edu

Region 6:

Dr. Frank Trocki -
frank-trocki@eureka.redwoods.cc.ca.us

Student Division: The Student Division may grant one award each year to the "Outstanding Student Chapter." The award will be based on both the quantity of students holding membership in the chapter and the quality of activities sponsored by the chapter. ➔

NAIT Officers & Chairs

Dr. Mark Estep, Chair
NAIT Executive Board
Past President, University Division
Appalachian State University

Dr. Jerry Parish, Chair
Board of Accreditation
Texas A&M University - Commerce

Dr. Dennis Field, Chair
Board of Certification
Iowa State University

Dr. Dennis Depew, Chair
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College of the Redwoods

Dr. Lesta Burgess, President
Student Division
University of Northern Iowa

Dr. Sidney Connor, Past President
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Westark College

Dr. John Craft, Past President
Graphic Communications Division
Appalachian State University

Mr. Douglas Gard, President
Industry Division
Best Access Systems

Dr. Earl Hansen, President
Safety Division
Northern Illinois University

Dr. Mahyar Izadi, Past President
Research Division
Eastern Illinois University

Dr. Niaz Latif, President
University Division
Purdue University

Dr. Marlow Marchant, President
Graphic Communications Division
Eastern Kentucky University

Mr. Hank Martin, Past President
Industry Division
Altamaha Technical Institute

Dr. Ronald Meier, Past President
Manufacturing Systems Division
Illinois State University

Dr. Ivan Mosley, Sr.,
Past President
Student Division
South Carolina State University

Dr. Charles Patrick, President
Research Division
Morehead State University

Dr. H. Fred Walker, President
Manufacturing Systems Division
University of Southern Maine

Dr. Alvin Rudisill
NAIT Executive Director

NAIT Awards and Leadership Election Information - *continued from front page*

The chapter receiving the award is selected by the President of the Student Division in consultation with Division Regional Directors.

→ **To nominate, contact:**
Dr. Lesta Burgess - l.burgess@uni.edu

University Division: The University Division, with sponsorship from the Goodheart-Willcox Company, makes up to six "Outstanding Industrial Technology Professor" awards each year (one per NAIT Region). The awards are made to individuals having primary responsibilities in industrial technology programs and are based on excellence in teaching, scholarship, and service to the profession and the community. The nomination process for this award has been completed for 2002.

Elections

CCTI, Industry and University Divisions: The Primary Professional Divisions of NAIT hold elections each summer for leadership positions that begin their terms at the close of the Fall Convention. Positions not filled in the summer election are filled by election or appointment at the Division meeting during the Convention. Nominations are submitted to the Past President of the Division who serves as Nominating Committee Chair. The following offices are open for nomination and election this year for the CCTI, Industry and University Divisions:

→ **President-Elect** (2002-2003 followed by term as President in 2003-2004)

→ **Regional Director:** Region 2, Region 4, Region 6 (2-year term, 2002-2004)

→ **Board of Accreditation:** Region 5, Region 6 (3-year term, 2002-2005)

→ **Board of Certification:** Region 3 (3-year term, 2002-2005)

→ **NAIT Foundation Board**

→ **To Nominate contact:**

CCTI Division: Dr. Sid Connor - sconnor@systema.westark.edu

Industry Division: Mr. Hank Martin - hmartin@altamaha.tec.ga.us

University Division: Dr. Mark Estep - estepjm@appstate.edu

Special Interest Divisions (Graphic Communications, Manufacturing Systems, Research, and Safety): The Special Interest Divisions of NAIT hold elections each summer for a President-Elect to serve a two-year term beginning at the close of the Fall Convention. If not filled in the summer election, the President-Elect is elected or appointed at the Division meeting during the Convention. Nominations are submitted to the Past President of the Division who serves as Nominating Committee Chair. The following office is open for nomination and election this year

→ **President-Elect** (2002-2004 followed by term as President in 2004-2006)

→ **To nominate, contact:**

Graphic Communications: Dr. John Craft - craftjr@appstate.edu

Manufacturing Systems: Dr. Ronald Meier - meier@indtech.itilstu.edu

Research: Dr. Mahyar Izadi - cfmxi@eiu.edu

Safety: Dr. Earl Hansen - hansen@ceet.niu.edu ●



Geographic Regions (by State):



Region 1: Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Ohio, Michigan, and Indiana.



Region 2: Illinois, Wisconsin, Minnesota, Iowa, Nebraska, South Dakota, and North Dakota



Region 3: Maryland, Delaware, West Virginia, Virginia, Kentucky, Tennessee, North Carolina, South Carolina, Georgia, Florida, Alabama, and Mississippi.



Region 4: Louisiana, Arkansas, Missouri, Kansas, Oklahoma, and Texas.



Region 5: Montana, Idaho, Wyoming, Colorado, Utah, Nevada, Arizona, and New Mexico.



Region 6: Alaska, California, Hawaii, Oregon, Washington and Overseas



Dr. J. Mark Estep

From the NAIT Executive Board Chair...

By Dr. J. Mark Estep - President, NAIT University Division
Appalachian State University

Can you think of a better time to be involved in a field that promotes and contributes to the study of technology? We truly live in amazing times. We are seeing incredible displays of technology in so many different fields. From the fields of medicine, defense, space exploration, manufacturing, graphics, electronics, and on and on, we see changes that were only dreamed of just a decade or so ago.

Part of our charge is to profess knowledge to our students. One of the best ways to do that is (of course!) to be "on the cutting edge." NAIT can help you get there, and stay there. I hope that this year stirs in you a new dedication to this association. Find a young professional in your department, and bring him or her along to the next NAIT meeting. The association needs new leadership coming up through the ranks. Maybe that is someone in your department. Maybe it is you! Contact your regional leadership and let them know you are interested in being involved. At the 2002 Convention NAIT will sponsor a Leadership Development presentation that will explain ways one can get involved in the leadership of this organization. I hope you will look for it on the program and get involved!

Dr. Mark Estep of Appalachian State University is the Chair of the NAIT Executive Board and may be reached at estepjm@appstate.edu. For contact information for CCTI Industry and University Division regional directors and officers, consult the "Divisions and Focus Groups" section of www.nait.org.

MARKET YOUR PRODUCTS! MARKET YOUR PROGRAMS!

NAIT 2002 Convention
Marriott Bay Point Resort
Panama City Beach, Florida
November 6-9, 2002



Exhibit Booths & Sponsorships available
www.nait.org/conven/conven.html
nait@nait.org or (734) 677-0720

*"Technology in the
Global Society"*

IT INSIDER PRODUCTION SCHEDULE

<u>IT Insider Issue</u>	<u>Copy Deadline</u>	<u>Mailing Date</u>
Summer 2002* <i>*(Preconvention issue with program!)</i>	July 15, 2002	August 15, 2002
Fall 2002	November 20, 2002	December 18, 2002
Winter 2003	January 17, 2003	February 14, 2003
Spring 2003	March 3, 2002	March 30, 2003

Contact the NAIT office at (734) 677-0720 or nait@nait.org for questions about advertising or submitting copy. We prefer text and photos submitted as attached documents, but we can accommodate your capabilities.

The Seabaugh Polytechnic Building: What makes a “good” Building?

By Dr. Greg Boyd

The answer to “What makes a ‘good’ building?” depends on whom you ask. Architects might tell you that a good building is a combination of function and form. To fulfill its function, a “school building” must provide an environment that is conducive to learning and teaching. The form a building takes is somewhat dictated by the institution and its budget. For many institutions a simple box form is adequate for learning and teaching. Given a choice, though, architects want to design a form that is aesthetically interesting for the people that must learn and teach within it. Southeast Missouri State University had to plan with all users in mind when it developed the new Seabaugh Polytechnic Building.

Students might answer that a good building should be well lit with plenty of room to spread out while learning, and with lots of benches in the common areas such as hallways for waiting between classes. Teachers might say that the design should be conducive to teaching and lab activities. “Lecture only” teachers might tell you that comfortable seating and good note-taking surfaces are important. Technology teachers might tell you that combination classrooms/laboratories are important and that having enough proper equipment is crucial to teaching and learning. Based on these criteria, the new Otto and Della Seabaugh Polytechnic Building at Southeast Missouri State University is a good building. The new building is aesthetically interesting (Figure 1). The classrooms are well lit, spacious and comfortable. It has combination classroom/laboratory teaching areas (Figure 2). It has plenty of modern equipment. And the hallways are wide enough for benches

One of the primary reasons that the faculty in the Department of Industrial and Engineering Technology at Southeast Missouri State University believe that they have a good building is the result of extensive planning. With a few exceptions, the entire faculty was required to be actively involved in the planning process from the initial concept to the finished product. The results speak for themselves. ●



Figure 1



Figure 2

Mini-grants from NAIT University Division

The University Division of the National Association of Industrial Technology (NAIT) would like to provide two travel incentive grants, a maximum of \$250.00 each, to its membership. The grant is intended to help the recipients attend the NAIT conference to pursue professional and leadership development activities.

Eligibility criteria:

- A tenured or tenure track faculty member in Industrial Technology at a four-year institution
- A member of NAIT
- Will attend NAIT conference as a regular member for the first time and present a paper
- Will volunteer to serve on committees in NAIT University Division
- Will attend leadership session/workshop at the NAIT conference in 2002

Application process:

Submit the following items electronically (preferable) to nlatif@tech.purdue.edu or mail to:

Dr. Niaz Latif
Professor and Department Head
Department of Industrial Technology
1416 Knoy Hall
Purdue University
West Lafayette, IN 47907-1416

- Copy of the notice of paper acceptance for presentation at the 2002 NAIT conference
- Letter of support from the department chair/head
- A brief statement of purpose in terms of anticipated benefits of attending the NAIT conference

Deadlines:

- Last day to submit an application: May 1, 2002
- Notice of award: May 15, 2002

Review process:

A committee consisting of members of the University Division Executive Board will review the proposals. ●



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New Grad? New IT Faculty Member? Get NAIT Certified!

If you're a new Industrial Technology graduate and starting your career, let NAIT help you up the career ladder – with a NAIT Certification!

Modern industry demands skilled technical personnel and managers, and many companies look to certifications as a measure of whether you are “work-ready.” Being a “Certified Industrial Technologist” may be one of the extras that help you land the job you want! NAIT Certification may also help you advance in higher education and work your way up the tenure ladder (see the adjoining article.) If you are a graduate of a NAIT-Accredited Industrial Technology 2- or 4-year degree program or you are a faculty member in such a program, you qualify for NAIT Certified Industrial Technologist (CIT) Certification. With 5 years of postgraduate experience, you may qualify as a Certified Senior Industrial Technologist (CSIT). You don't need to take an exam, you just need to apply. Here's how:

1) Find out if your degree is NAIT-Accredited – ask your advisor, check the accreditation section of the NAIT Website, www.nait.org, or just contact the NAIT Office. The list below shows the institutions

that have NAIT Accredited degree programs. If your degree is NAIT-Accredited then...

- 2) Use the Application Form in this issue of the IT Insider or download the PDF application in the Certification section of www.nait.org and fill it out completely;
- 3) Pay the appropriate fee – if you are already a NAIT member it's just \$30 to start as a CIT; if you're not a NAIT member, as a new grad you can still join at the student rate of \$15. You can use a check, money order or Visa or Master Card;
- 4) Obtain a final copy of your transcript or diploma to demonstrate that you do have a NAIT-accredited degree and are eligible for NAIT Certification.
- 5) Send the application, transcript/diploma, and fee to NAIT, 3300 Washtenaw Ave., Suite 220, Ann Arbor, MI 48104.

For information about NAIT Certification, check the Certification section of www.nait.org or contact NAIT at nait@nait.org or (734) 677-0720. ●

Institutions with NAIT Accredited Programs

October 2001 - October 2002

(Graduates of NAIT-accredited programs or faculty members who teach in such programs are eligible for NAIT Certification)

Alcorn State University
Bowling Green State University
Buffalo State College/SUNY
Butler County Community College
California Polytechnic State University
California State University - Chico
California State University - Fresno
Central Connecticut State University
Central Missouri State University
Cleveland State Community College
East Carolina University
Eastern Illinois University
Eastern Kentucky University
Eastern Michigan University
Elizabeth City State University
Georgia Southern University
Gwinnett Technical Institute
Illinois State University
Indiana State University
Iowa State University
IVY Tech State College - Evansville
IVY Tech State College - Fort Wayne
IVY Tech State College - Indianapolis
IVY Tech State College - Richmond
IVY Tech State College - Sellersburg
IVY Tech State College - Terre Haute
Jackson State University
Jacksonville State University
Kean University
Middle Tennessee State University
Millersville University
Minnesota State University Moorhead
Morehead State University
North Carolina A&T State University
Norfolk State University
North Iowa Area Community College
Northern Illinois University
Northern Michigan University
Northwestern State University of Louisiana
Ohio University
Ozarks Technical Community College
Purdue University
San Jose State University
Sinclair Community College
Southeastern Louisiana University
Southeast Missouri State University
Southern Illinois University at Carbondale
Southwest Missouri State University
State Fair Community College
Tennessee Technological University
Texas A&M University-Commerce
Texas A&M University - Kingsville
Texas Southern University
University of Arkansas at Pine Bluff
University of Louisiana-Lafayette
University of North Dakota
University of Northern Iowa
University of Southern Maine
University of Wisconsin - Platteville
University of Wisconsin - Stout
Walters State Community College
Western Kentucky University ●

Certification Helps You Compete

Dr. Niaz Latif conducted a survey of University Division members holding NAIT Certificates to garner their opinions about the value of NAIT Certification. Of 99 certificate holders sent the survey instrument, Dr. Latif received 30 responses. Those who have found NAIT Certification valuable gave many reasons. Dr. Latif has summarized those reasons for the IT Insider readership.

Question #1: How does the NAIT Certification help or has helped you professionally?

- Helps Industrial Technology students validate their knowledge and therefore make them more marketable.
- Establishes credibility with regard to an individual's qualifications to serve on NAIT's Accreditation Board.
- Verifies professional expertise.
- Validates commitment to the profession.
- Provides peer recognition of faculty members' expertise in technical education.

- Provides evidence of professional growth for rank and tenure.
- Validates the competency level of the individual among others not familiar with the profession.
- Helps with consulting work.

Question #2: At your institution, are there any specific benefits of having this Certification? If yes, what are the benefits?

- Considered as professional recognition/certification. Faculty are often recognized for obtaining CSIT and are awarded merit pay.
- In the promotion and tenure process, certification is seen as professional development.
- Evidence of technical currency in the field that brings recognition of the certificate holder among colleagues.
- Justifies travel grants to workshops and conferences for continuous improvement effort. ●

NAIT Membership Application

Fax or mail this form to: National Association of Industrial Technology
3300 Washtenaw Avenue, Suite 220 • Ann Arbor, Michigan 48104-4200
Telephone: (734) 677-0720 • Fax: (734) 677-2407 • Email: nait@nait.org

INDIVIDUAL PROFESSIONAL MEMBERSHIP:

- Standing Division (second Division \$15.00):**
 - Comm. College & Technical Institute \$60.00 _____
 - Industry \$60.00 _____
 - University \$60.00 _____
- Special Interest Division or Focus Group(one free):**
 - Construction Focus Group \$15.00 _____
 - Distance Learning/Internet Focus Group \$15.00 _____
 - Electronics Focus Group \$15.00 _____
 - Graphic Communications Division \$15.00 _____
 - Manufacturing Division \$15.00 _____
 - Research Division \$15.00 _____
 - Safety Division \$15.00 _____
 - Technical Management Focus Group \$15.00 _____

ORGANIZATIONAL MEMBERSHIP:

- Community College & Tech.Institute \$240.00 _____
- Industry \$240.00 _____
- University \$240.00 _____

STUDENT MEMBERSHIP:

- Community College \$15.00 _____
 - University \$15.00 _____
- Check one: Freshman Sophomore
 Junior Senior Graduate
- Anticipated Graduation Date:** _____

RETIRED MEMBERSHIP:

- Retired Membership \$30.00 _____

PERSONAL INFORMATION

Dr. Mr. Ms.: _____

Title/Position: _____

Mailing Address: Work Home

Address: _____

City: _____ State: ____ Zip: _____

Phone: _____

E-mail Address: _____

Company/School: _____

TOTAL CHARGES: _____ \$ _____

PAYMENT INFORMATION

Money order or Check #: _____ Purchase Order #: _____

VISA or MasterCard #: _____ Exp. Date (Month/Year): ____/____

Signature: _____

Certification Application

MEMBERSHIP FEE

Check one box (you must become a NAIT member to qualify for certification)

- I am a current NAIT Member (no additional fees)
- I am not a NAIT member: Professional \$60;
Student - \$15 (*Complete Membership Application*)

DEGREE LEVEL

- Degree received from a NAIT accredited program
 - Associate
 - Baccalaureate
- Currently teaching full time in a NAIT accredited program

CERTIFICATION LEVEL AND FEE

Check appropriate box

(check ONE BOX ONLY in the first column below:)

- Graduate or faculty of an accredited industrial technology, check one:
 - with less than five years of experience (CIT) = \$30
 - with five or more years of experience and 75 PDUs in the last five years (CSIT) = \$50
- Soon-to-be-graduate of an accredited industrial technology or related program (CIT) = \$30

SIGNATURE OF FACULTY ADVISOR

(If not available, send copy of final transcript.)

CSIT APPLICANTS

PROFESSIONAL DEVELOPMENT

(required for CSIT applicants) - List Professional Development Units (PDUs) completed during the last five years. Include the name and phone number of the contact person to verify professional development activities. See certification section of www.nait.org for PDU information. (Use separate sheet)

WORK EXPERIENCE

(Required for CSIT Applicants) - List professional work experience (A minimum of 5 years of professional work experience. (List company, title, and dates on a separate sheet)

APPLICANT SIGNATURE

Authorization I hereby attest that all information provided is correct. I hereby authorize NAIT officials to verify my credentials for certification.

Signature: _____ Date: _____

NAIT OFFICE USE ONLY

CIT CSIT

Approved: _____ Date: _____

Student Chapter News

Region 1

Millersville University

- Seventeen members attended a tour of the D.G. Yuengling Brewing Company of Pottsville, Pennsylvania and witnessed how their favorite beverages were made.
- We are working hard on an electric motorcycle for the 2002 Tour del Sol race this May.
- NAIT will introduce a new student competition at the 2002 Convention, November 6-9, 2002 in Florida, which reunites the infamous Team Bot-Head. The new competition consists of the design and construction of a tele-operated device, which is to traverse an unknown obstacle course and retrieve a full can of pop. This competition has spurred great interest among our chapter and only the best and brightest will compete. Team Bot-Head's current project leader is Matt Vazquez, who along with Earl Smith, took two gold awards at the Robotics International/SME's national robotics competition last spring. The team will consist of Matt Vazquez, Ben Tarnowski, Brandon Dodson, and Brad Lang each representing a collaborative effort of all the Industrial Technology program areas. *Submitted by Chapter Advisor Dr. John Wright, Jr. - john.wright@millersv.edu.*

Region 2

University of Northern Iowa

The University of Northern Iowa's local NAIT chapter has been busy this spring:

- In March we hosted the Second Annual IT/IQ Bowl. NAIT members were busy contacting local businesses and employers to raise money and prizes to support this event. NAIT members also got a chance to compete against several other Industrial Technology clubs.




ECU Student Chapter visits the NC Solar Center in Raleigh, NC

speakers. In February, Michelle Bienfang came and talked to us about interview skills, including the importance of making a great first impression and selling yourself to a possible employer. *Submitted by Chapter Advisor Dr. Lesta Burgess - L.Burgess@uni.edu.*

Region 3

East Carolina University

- The ECU NAIT Student Chapter took a trip in February to Raleigh, NC to visit the NC Solar House and the nearby Innovative Designs architectural firm. The North Carolina Solar House encourages construction professionals to 

News from NAIT Members



Alma Mater SIU honors Dr. Stephens

The College of Education and Human Services at Southern Illinois University-Carbondale (SIU) has honored Dr. Matthew P. Stephens, a Professor of Industrial Technology and a University Faculty Scholar at Purdue University as the *Alumnus of the Year*. He will be recognized during SIU's Spring Commencement in May.

Owens CC, DeVilbiss and Binks Repeat Spray Finishing Workshop

Owens Community College's Center for Development and Training continues its industry-sponsored training in the spring when partners Devilbiss and Binks offer "Spray Finishing Technology", a three-day program, May 29-31, 2002 in Toledo, Ohio. It includes both classroom and hands-on sessions, covering equipment set-up, operation and maintenance, surface preparation, materials selection, safety and regulatory concerns. The target attendees are involved in spray finishing applications or equipment sales and distribution. *For more information or to register, contact Jaime Hollabaugh at (800) 466-9367 ext. 7357 or jhollabaugh@owens.cc.oh.us. Information is also available online at www.owens.cc.us/CDT/.*

Wanted - JIT Reviewers!

Enjoy reading the latest research in your specialty? On the tenure track and need professional service activities? Adept at helping colleagues improve their writing? If you are, you might want to sign up as a reviewer for the *Journal of Industrial Technology*. Any NAIT Member who has 5 years of post-graduate experience in academia or in industry is eligible to serve. Contact us to get an application and return it with a short resume showing you qualify for the Review Board. We'll also ask you to identify specialty topics you'd like to review. *To inquire about service on the JIT Review Board and to obtain an application, contact NAIT at (734) 677-0720 or nait@nait.org. The JIT can be found online at the NAIT Website, www.nait.org.*

Nominees Sought for Outstanding Faculty Member Awards

By Mr. Steve Brown, Division President
College of the Redwoods



Mr. Steve Brown

Greetings to Community College and Technical Institute members! I hope that you are all having an exciting and fulfilling academic year. I want to use this opportunity to remind you that we need nominations for Outstanding Faculty awards from

also a great opportunity to promote the advantages of professional affiliation with NAIT. The honoree does not have to be a member of NAIT to be nominated, but must become a member to receive the award. Please send nominations to your CCTI Regional Director. (See the box on Award and Officer Nominations in this issue of the IT Insider!) Thanks to Goodheart-Wilcox for their generous sponsorship of the Outstanding Faculty awards.

It's hard to believe, but your NAIT officers and staff are already hard at work planning our national conference to be held in Panama City, Florida. One idea that came out of last year's conference is to have more opportunity for CCTI folks to get to-

gether to discuss issues particular to 2-year colleges. To that end, we are planning a breakout for CCTI members to share their successes and challenges. We had some lively discussions last year, and I want to see that momentum continue. If you have something to contribute or would like to address a particular issue, please don't hesitate to send me an email.

Finally, if there is anything I can do to help you promote NAIT at your college or in your region, please do hesitate to contact me.

Steve Brown can be reached at stevebrown@eureka.redwoods.cc.us or at (707) 476-4347. ●

"Nominate a CCTI colleague for the Outstanding Industrial Technology Faculty Award!"

each region. This is our chance to honor six hard working and dedicated Industrial Technology colleagues. The nomination process is

MILLERSVILLE UNIVERSITY

INDUSTRY AND TECHNOLOGY DEPARTMENT

Millersville University, highly regarded for instructional quality and its strong commitment to diversity, is a student-centered institution and one of 14 institutions of the PA State System of Higher Education. The campus is located in historic Lancaster County within convenient traveling distance to Baltimore, Philadelphia, Washington, New York and the Atlantic Ocean beaches. Millersville enrolls approximately 7,500 undergraduate and graduate students and has over 900 full-time employees. Nationally ranked as one of the top regional public institutions of higher learning by *U.S. News and World Report*, Millersville is also listed among *Kiplinger's* 100 "best value universities" in the nation. Served by approximately 350 full-time faculty, the University offers associate, bachelor and master degrees in a wide range of majors in the arts and sciences, education and other professional fields.

We invite applications for the following full-time tenure-track assistant professor positions, for which the starting date is **August, 2002**. For all positions, send letter of application, curriculum vitae, copies of all undergraduate and graduate transcripts and three current letters of recommendation to the named Search Committee Chair at the department address below. Full consideration will be given to applications received by **April 15, 2002**.

DESIGN & DRAFTING TECHNOLOGY

Primary responsibilities will be for undergraduate and graduate combined lecture and laboratory courses in introductory and advanced mechanical drafting, as well as courses dealing with conceptual product design and computer-aided drafting and design. **Required:** Master's degree plus 30 semester credits toward a doctorate (completion by 11/1/05); primary strengths in computer-aided drafting and design, with secondary expertise in product design, industrial model building, illustration and presentation drawings, or 3D computer illustration; hand-drafting skills and good technical freehand drawing ability are necessary for entry-level courses; extensive knowledge of AutoCAD; three years professional experience in design and drafting technology. **Preferred:** Proficiency with SolidWorks, Solid Edge, or 3D Studio. **Reply to:** Dr. Richard C. Johnson, Search Committee Chair/IT0402A

MANUFACTURING TECHNOLOGY

Primary responsibilities will be for undergraduate and graduate combined lecture and laboratory courses in production materials and processes, processing metallic materials, and contemporary metal manufacturing technology. **Required:** Master's degree plus 10 earned graduate credits (doctorate must be completed for tenure by 11/1/06); primary strengths in metal technology, CNC, CAD/CAM, and CIM with supporting competencies in polymers, ceramics, composites and wood; three years professional experience in manufacturing technology. **Reply to:** Dr. John Hibberd, Search Committee Chair/IT0402B

Additional responsibilities for both positions are: To develop and implement relevant laboratory activities for assigned courses, to participate in scholarly pursuits and relevant professional associations, student advisement, curriculum development, laboratory management, intern supervision, and department and university committee assignments. Opportunity exists to contribute to the development of modern design and drafting or manufacturing technology laboratories during the construction of a Center of Excellence for the study of industry and technology.

Additional required qualifications for both positions are: Earned baccalaureate degree in industrial technology, technology education or a closely related area; proficiency in applications of information technology relevant to the teaching and learning process; commitment to serve diverse populations; commitment to ensure an attitude of safe behaviors and a healthy learning and research environment; ability to conduct and supervise scholarly activities, ability to work cooperatively with colleagues; and a successful interview and teaching demonstration.

Additional preferred qualifications for both positions are: Documented teaching or training effectiveness, completed doctorate and industrial experience.

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Update: Graduate Student Presentations; President-Elect Nominees

By Dr. Charles Patrick, Division President



Dr. Charles Patrick

May 1st deadline for Graduate Student Abstracts: The Research Division will host a two-hour session for graduate student oral presentations and a special area at the conference for poster presentations to highlight exciting research conducted by Industrial Technology (IT) graduate students. A call for presentations/posters was

search. The abstracts are due by May 1 and notification of acceptance will be mailed the last week of May. The call for presentations and posters can also be found at http://people.morehead-st.edu/fs/c.patric/call_2002.pdf.

Convention Panel Discussion: the Research Division is planning a panel discussion to assist its faculty in the development of its scholarship. Well-known researchers in the IT discipline are being recruited to present topics on establishing a successful research agenda, funding strategies, and publishing opportunities. Look for this special panel discussion in the conference program this fall.

President-Elect Nominees: Our current president-elect, Dr. W. Tad Foster, Dean of the School of Technology at Indiana State University, will begin his term as Research Division President at

the 2002 Conference in Panama City Beach, Florida. We are now accepting nominations for President-Elect of the Research Division to serve from November 2002 through October 2004, at which time their term as Research Division President would commence. Nominations can be made by contacting Dr. Patrick or Dr. Mahyar Izadi, Division Past President and Nominating Committee Chair at cfmxi@eiu.edu. The Election is conducted in late summer. Should no nominations be made, the President-Elect will be elected at the Research Division meeting at the 2002 Convention.

For more information about the division or membership, contact Dr. Charles Patrick at c.patric@morehead-st.edu or the NAIT Office at nait@nait.org. NAIT members can join one special interest division at no extra charge beyond regular membership dues. ●

"The Research Division will elect a new President-Elect this summer – can you offer your leadership?"

mailed on April 1st to Deans, Chairs, and Directors in IT programs throughout the country. IT graduate students are invited to submit one-page abstracts for oral presentations and/or poster presentations of their recently completed or on-going graduate re-

Graphic Communications Division

Leadership Candidates Needed as Division Grows!

By Dr. Marlow J. Marchant, Division President
Graphic Communications Division



Dr. Marlow J. Marchant

The Graphic Communications Division is doing well and looking ahead to becoming a mature entity where our strength improves the entire organization of NAIT. There have been many that have helped to get the Division started and we hope that many more will become interested in joining with us. It is with the leadership of Dr. John Craft of Appalachian State University, our first division President, that we have developed. This year we need to elect a President-Elect who will serve a 2-year term beginning next fall and then become the division president in the Fall of 2004. If you are interested in running for this position, please contact John at craftjr@appstate.edu. Dr. Benjamin Lee of California State University at Los Angeles, our current President Elect, stepped

up and got involved when we had a resignation, and has taken the responsibility for the review process for the 2002 presentations and papers. For those who served on the review committee last year, thank you for your valuable service.

The division would like to thank Dr. Thomas Spotts, Dr. Robin Williams and Mr. Thomas Reeves for serving on our Public Relations committee. They are working on a brochure that we can use to recruit new members for our division. They also have plans to create a web site. Our Standards and Accreditation Committee is Dr. Thomas Schildgen and Dr. Andrew Anderson. We appreciate their willingness to get involved. Tom is currently going through training to serve on accreditation teams. We thank him and hope

others will follow his leadership so the people with Graphic Communications expertise can help with accreditation.

I would like to thank Pat McCuiston from Ohio University for setting up our tour of EAI at the 2001 conference. If anyone has a suggestion for the Panama City area, please let me know. Of course we must thank Dave Monforton, the Associate Director of NAIT, for doing the real work of running the conferences. The last Thank You goes to Dr. Alvin Rudisill, NAIT's Executive Director. Thank you All! Your passion, leadership and long years of service have not gone unnoticed! Dr. Marchant can be reached at marlow.marchant@eku.edu. ●



Dr. Lesta Burgess

Compete in the Tele-Operated Robotic Manipulator Contest!

By Dr. Lesta Burgess, Division President
University of Northern Iowa

I have been asked several questions about the new Tele-Operated Robotic Manipulator competition that we will be having at the 2002 conference in Panama City. Please feel free to e-mail me if you have additional questions.

1. *How will the winning manipulator be determined?* Each manipulator will have two runs through the course. The winner will be the one with the best time of the two runs. There will be about a thirty-minute interval between the runs for fine-tuning of the manipulator.
2. *How will the pop can be placed?* The pop can will be in an upright position on the course. The manipulator will have to pick up and carry the pop can during the course to a predetermined drop.
3. *What is the terrain?* This year the manipulators will run indoors. Terrain for the manipulators will be indoor terrain such as carpet, tile or wood flooring. The manipulators will not have to run in water, sand, dirt or mud.
4. *Can graduate students be a part of the team?* Grad students may be a part of the design and engineering of the manipulator. However, only an undergraduate student may be the operator of the manipulator.

2002 TELE-OPERATED ROBOTIC MANIPULATOR CONTEST RULES

- Must be wireless remote controlled. No wires attaching control to the Manipulator.
- Must be able to pick up and carry a standard unopened 12 oz soda pop can without damage to the can.
- Must be able to traverse over unknown terrain and unknown obstacles.
- Must be able to stay within boundaries of obstacle course.
- Manipulator cannot fly.
- No robotic kits allowed. Hobbyist level components required.
- Multiple frequency channels allowed but only one operator.
- A poster session (maximum 4' x 6') must accompany manipulator. Posters will be judged upon design and information.

5. *Can the operator follow the manipulator through the course?* No, the operator will have to stand in a predetermined location.

I want to thank Dr. John Wright for securing the grand prize for the contest from Rixan. The prize, two seats at a Rixan training class at their Dayton, Ohio facility, is worth over \$2,000. The prize includes tuition for the three-day class, tutorials, lunches and two Rixan shirts. Travel, lodging and dinner are not included. Rixan was established in 1959 as a provider of electromechanical military parts. The company has become a leader in the field of robotics and automation and provides robots, turnkey automation systems, engineering services, software, training, and electromechanical components.

Once again, if you have any questions concerning the Tele-Operated Robotic Manipulator competition, please do not hesitate to contact me. I look forward to seeing each and every one of you at the 2002 NAIT Convention! Dr. Burgess can be reached at l.burgess@uni.edu.

Student Chapter News (continued)

use efficient solar and energy technologies in residential and commercial buildings. Innovative Design designs energy-efficient, environmentally-sensitive schools and residential homes.

- In March, the chapter took a plant tour of Carolina Turkey processing plant. This tour included the use of CAD, manufacturing, distribution, engineering, and, of course - turkeys.
- In April we have a meeting scheduled with alumnus Joni Seivers as our guest speaker.
- We also have a tour scheduled of our local facility of Grady White Boat, which produces high quality small sport fishing boats.
- The ECU NAIT chapter and the SME chapter will be co-sponsoring a spring trip in April to Richmond, Virginia where we will tour the high-tech Philip Morris Cigarette manufacturing facility and then will spend a fun-filled day at a nearby amusement park.

Submitted by Chapter Advisor Amy Frank - franka@mail.ecu.edu.

Region 6

California State University – Los Angeles

From February 16th-22nd, Cal State LA's School of Engineering, Computer Science, and Technology (ECST) held its annual "ECST week." The theme was "Innovations for a New Era." For ECST week, the NAIT chapter did the following:

- Ran the pop-bottle rocket competition for the 3rd year giving away prizes for design and altitude. We launched over 20 rockets; the winning rocket reached 366 ft!
- Helped at the Dean's Brunch and the career fair where 20+ companies attended.
- Co-sponsored the final banquet and secured door prizes for the raffle; Aramark, our biggest sponsor, donated over \$200 in prizes.
- To finish the quarter, NAIT is hosting a "bowling night," giving students a chance to relax before finals. Next quarter, we will be having a "NAIT" banquet to honor our most active members and advisors.

To contact the Cal State L.A. chapter: Dr. Virgil A. Seaman, Advisor, vseaman@calstatela.edu; Dr. James E. Ettaro, Advisor, jettaro@calstatela.edu; Tony S. Louie, President, tlouie@calstatela.edu; NAIT Chapter Website - www.calstatela.edu/orgs/nait/nait.htm



Cal State LA's School of Engineering, Computer Science, and Technology (ECST) held its annual "ECST week," during which the NAIT Chapter ran the pop-bottle rocket competition.



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University Division



Dr. Niaz Latif

Nominations Due for Leadership Elections

By Dr. Niaz Latif, Division President
 Purdue University

The University Division will hold an election in late summer to fill the following positions within the University Division: President-Elect, three regional directors (Regions 2, 4, and 6), two members on the Board of Accreditation (from Regions 5 and 6), and one member for the Board of Certification from Region 3. You can nominate yourself or someone else by sending an e-

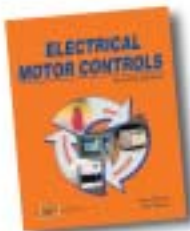
mail indicating interest for the specific position, region number, and a brief bio (maximum 6 lines) to Dr. Niaz Latif at nlatif@tech.purdue.edu or to Dr. Mark Estep at estepjm@appstate.edu by May 20, 2002. The University Division's nominating committee will select two individuals for each open position to put on the ballot.

To nominate yourself or a colleague,

contact information is also provided in the article on Election Nominations and Awards in this IT Insider. You can also consult the University Division area of the "Divisions & Focus Groups" section of www.nait.org. You can find your NAIT region through the link to the "Region Map" in the same section. ●



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