



Dr. Niaz Latif can be reached at nlatif@tech.purdue.edu or at (765) 494-1101.

Executive Board Report

Industry Member Involvement a Key Topic for NAIT Board

By Dr. Niaz Latif, Chair, NAIT Executive Board
Purdue University

NAIT's Executive Board serves NAIT members and addresses issues that are related to the interests of the association and its membership. At our spring meeting, March 7 and 8 in Nashville, we dealt with many issues, including accreditation, certification, the *Journal of Industrial Technology*, the annual budget, and the annual NAIT convention. Your division leaders and the NAIT staff work jointly to achieve the association's goals, which are as follows: 1) promote and increase NAIT membership, 2) promote and increase program accreditation, 3) promote and increase individual certification, 4) promote and increase participation in NAIT by industry professionals, 5) develop leadership within the membership, and 6) improve the association's financial status.

- At our spring Board meeting, we discussed making the NAIT convention more attractive to our Industry Division members with industry-focused breakout sessions and professional development workshops; some reorganization of convention content will be in place for the 2003 convention, with more planned for 2004. [page 2](#)



For more information on the CCTI Division, contact Dr. Earl W. Godt III at (309)649-6228 or egodt@SpoonRiverCollege.edu.

CCTI Division Report

Election Process Starts; Best Practices Panel at 2003 Convention

By Dr. Earl W. Godt III, Division President
Spoon River College

Greetings to one and all. The CCTI Division will hold elections in late summer for the following positions: President-elect (2003-2004, followed by a term as President in 2004-2005), and three regional directors (Regions 1, 3, 5) for two-year terms 2003-2005. You can nominate yourself or someone else by sending an e-mail indicating interest for the specific position, region number, and a brief biography (less than 10 lines). If you are unsure of your region, see the "NAIT Regions" link on the NAIT website, www.nait.org. To Steve Brown at steve-brown@redwoods.edu or Dr. Earl W. Godt at egodt@spoonrivercollege.edu by May 15, 2003. The nominating committee will select two individuals for each open position. One of our strategic goals is to ensure there are sufficient qualified candidates for each open position. We need your help to accomplish this goal. [page 2](#)

News from NAIT Members

PIASC Grants 2003 Educator of the Year to Dr. Benjamin Lee and Dr. Ethan Lipton

The Printing Industries Association, Inc. of Southern California (PIASC) has awarded its 2003 Educator of the Year Awards to two NAIT Members from California State University – Los Angeles, Dr. Benjamin Lee and Dr. Ethan Lipton. Dr. Lee is NAIT's Graphic Communications Division President and Professor of Technology and Coordinator of the Graphic Communications program at California State University, Los Angeles. Dr. Lipton is a professor of technology and associate dean for the Cal State-LAS College of Engineering, Computer Science, and Technology. Lee and Lipton were specifically recognized for their contributions to graphic communications education, and specifically applauded for the 2+4+Career program, "which has given and continues to give graphic arts academy students at Manual Arts High School the opportunity to attend college courses at Cal State L.A. while attending high school."



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NAIT Officers & Chairs

Dr. Niaz Latif, Chair - NAIT Executive Board
Past President, University Division
Purdue University

Dr. John Sutton, Interim Chair - Board of Accreditation
Central Missouri State University

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

Dr. Alvin Rudisill, Chair - NAIT Foundation Board
Eastern Michigan University (Retired)

Dr. William Brauer, President - University Division
Bemidji State University

Mr. Steven Brown, Past President - CCTI Division
College of the Redwoods

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

Dr. W. Tad Foster, President - Research Division
Indiana State University

Dr. Steven Freeman, President - Safety Division
Iowa State University

Dr. Earl Godt II, President - CCTI Division
Spoon River College

Dr. Earl Hansen, Past President - Safety Division
Northern Illinois University

Dr. Russell Johnson, President - Manufacturing Systems Division
Metropolitan State College of Denver

Dr. Benjamin Lee, President - Graphic Communications Division
California State University - Los Angeles

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

Dr. Ronald Meier, President - Industry Division
Illinois State University

Dr. Charles Patrick, Past President - Research Division
Morehead State University

Dr. Thomas Scott, President - EECT Division
Ohio University

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

Dr. John W. Wright, Jr., President - Student Division
Millersville University

Mr. Rick Coscarelli - NAIT Executive Director
National Association of Industrial Technology

Industry Member Involvement a Key Topic for NAIT Board - *continued from front page*

- Dr. Jerry D. Parish resigned as Chair of the Board of Accreditation due to new job responsibilities; Dr. John Sutton, Co-Chair of the Standards and Accreditation Committee, accepted an appointment to serve the remainder of Dr. Parish's term. The Board of Accreditation leadership is working on articulating the nomination and selection process for the Standards and Accreditation Committee.
- We also discussed the NAIT Certification Program and made a recommendation to the Board of Accreditation to work on clarifying and identifying a common core for baccalaureate-level Industrial Technology programs. Once such a core is identified, the NAIT Board recommended that the Board of Certification develop a certification exam based on these common core areas.
- The *Journal of Industrial Technology* Ad Hoc Committee, appointed in November 2002, updated us on efforts to have the *JIT* listed by indexing services; it appears that the *JIT* may soon be listed with G.H. Wilson's Applied Science and Technology (AS&T) database. The committee is also planning for reviewer and author workshops at the NAIT convention.
- We also took care of planning for the 2003 convention; among other special sessions, the University Division will offer a session on leadership development directed at future NAIT leaders.

All these activities will benefit our members professionally. Your participation is very important to us, and together we will achieve the next level of excellence for our organization. ●

Election Process Starts - *continued from front page*

The NAIT Officers and Staff are already hard at work planning the national conference in Nashville (November 19-22, 2003). Two items directly related to our strategic goals that came out of last year's conference were a "Best Practices" discussion panel and to repeat the open forum networking opportunities via a convention session for CCTI members. To that end we are planning breakout session for CCTI members to share their successes and challenges. We are also planning a social hour for more informal networking.

Region 3 director, Michael Helmick

is working hard to make sure that we have local CCTI participation from institutions near Nashville. President-elect, Dave Devier is providing CCTI representation at the ATEA conference to promote NAIT accreditation. He is sharing a booth with Epsilon Pi Tau (EPT). Kudos to them both for their efforts to increase awareness of NAIT and the CCTI Division.

If you have something to contribute or would like to address a particular issue, please do not hesitate to send me an e-mail at egodt@spoonrivercollege.edu or contact me by telephone at (309) 649-6228. ●

IT Insider

The IT Insider is issued four times annually and is circulated to between 2,000 and 4,000 industrial technology professionals across the United States. The IT Insider is an official publication of the National Association of Industrial Technology. Questions or comments about this publication can be directed to NAIT, 3300 Washtenaw Avenue, Suite 220, Ann Arbor, Michigan 48104-4200. Telephone: (734) 677-0720, FAX: (734) 677-0046, E-mail: nait@nait.org, Web site: www.nait.org

Executive Director - Mr. Rick Coscarelli
Associate Director - Mr. Dave Monforton
Association Manager - Ms. Mary Stewart
Publications Coordinator - Mr. Keith R. Bretzius

IT Insider Production Schedule

<u>IT Insider Issue</u>	<u>Copy Deadline</u>	<u>Mailing Date</u>
Summer 2003**	July 14, 2002	August 18, 2003
Fall 2003	December 2, 2003	December 22, 2003
Winter 2004	January 15, 2004	February 12, 2004
Spring 2004*	March 9, 2004	March 31, 2004

*Last IT Insider until Fall 2004 Convention Issue

**PreConvention Issue - Deadline applies to all Convention related articles and ads!

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. Full information about advertising options and submission guidelines is available in the IT Insider section of www.nait.org.



Electricity, Electronics and Computer Technology Division

New Division Moving Forward with Research Projects and Listserv

*By Dr. Thomas E. Scott, Division President
Ohio University*

For additional information about the Division, contact Thomas Scott at scottt@ohiou.edu, or President Elect Steve Hsiung at shsiung@cc.usu.edu.

Progress has been made in several areas since the November meeting. First, two esteemed individuals have been selected for prestigious positions on the Foundation Board. Dr. Robert English and Dr. Julio Garcia will represent our Division in this important assignment for the next few years. Please offer them your congratulations and appreciation for fulfilling this service to our profession.

Dr. Sheybani has compiled a list of courses taught in schools of Electronics and Computer Technology to give some idea of what might be typical courses in this type of curriculum. The complete list can be found at the EECT homepage, accessible through www.NAIT.org, but some of the typical courses include: Computer Electronics, Computer Interfacing, Network Maintenance, Fundamentals of Data Communication. The correlation between electronics course titles and computer technology course titles is interesting and enlightening. It appears that there is considerable scope for synergistic co-mingling, or at least concatenation, of electronic and computer curriculum. I would appreciate any of your thoughts on this.

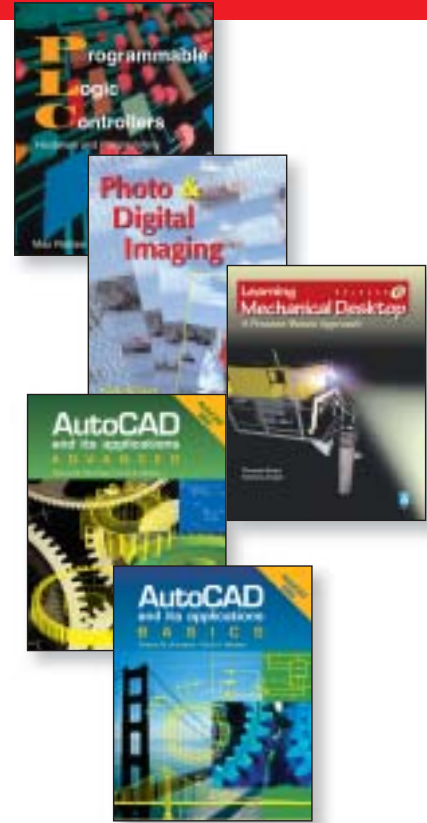


Lists of typical courses taught in Schools of Electronics and Computer Technology and electronics courses offered in general industrial technology programs are being developed by the EECT Division.

In a similar vein, Dr. Jerry Kangas is compiling a similar list of electricity and electronics courses offered in programs for use in developing a normal expectation for coverage of electronics for students in the more general NAIT programs. For example, if a student is not specifically going to work in the electronics area, how much about what do they need to know? He has compiled the information from about 40 schools, and it will soon be summarized on the EECT Web site.

Lastly, I would like to remind everyone that the EECT List Serve is up and running. Many thanks to Chad Orloff for making this a reality. To get connected all you need to do is go to <http://groups.msn.com/ElectricityElectronicsComputerTechnology> and sign up. You can also find it through the "Divisions & Focus Groups" section of www.nait.org, in the EECT area. This service has a nice feature in that you can receive an e-mail once a week providing a summary of the last weeks activity. There are three questions posted presently about which we would like to receive feedback from each EECT member. Check it out, and join up if you haven't yet. ●

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Graphic Communications Division Report

Convention Scholarship Program Will Promote Division Leaders

By Dr. Benjamin Lee, Division President
California State University - Los Angeles

Contact Ben Lee at at
(323) 343-4572 or
blee10@calstatela.edu.

So far, 2003 is a busy year for the Graphic Communications (GC) Division, as there are several goals to be met. I believe that the most important one is the "development of future association leaders." We have appointed GC Division officers and will be providing a free conference registration award to an exemplary post-secondary graphic communications teacher later this year. The following leaders have agreed to serve as division officers for the GC Division:

- President Elect: Dr. Thomas H. Spotts
- Annual Program Committee Chair: Dr. Cynthia Gillispie-Johnson
- Certification Committee Chair: Dr. Lynda G. Kenney, Vice Chair: Dr. Prince F. Showi
- Membership Committee Chair: Dr. Ted M. Bensen
- Nominating Committee Chair: Dr. Ryan K. Brown
- Public Relations Committee Chair: Dr. Thomas H. Spotts
- Research Committee Chair: Dr. Yung-Cheng Hsieh

The Graphic Communications Division plans to award a free 2003 NAIT Convention registration to an exemplary post-secondary graphic communications teacher later this year.

- Standards/Accreditation Committee Chair: Dr. Thomas E. Schildgen
- Foundation Board Rep 1: Dr. Marlow Marchant
- Foundation Board Rep 2: Dr. John Craft

Special thanks to our digital publishing experts, Dr. Thomas Spotts and Dr. John Craft, for their efforts in designing the graphic communications promotion brochure. So, we will have an awesome brochure ready to mail to graphic communications teachers across the country very soon. ●



Research Division Report

Graduate Student Research and Faculty Forum Planned for 2003 Convention

By Dr. W. Tad Foster, Division President
Indiana State University

Tad Foster can be reached at tchfost@isugw.indstate.edu or at (812) 237-3166. Charles Patrick can be reached at c.patric@morehead-st.edu or (606) 783-2884.

Plans for the 2003 Conference are well underway. This spring you will receive a call for Graduate Papers/Presentations from Dr. Charles Patrick, Past President of the division. Please encourage your graduate students to submit a proposal. For the past two years, Dr. Patrick has worked diligently to develop the Graduate Student Forum and it is growing rapidly. Students selected for the Graduate Student Forum will compete for the "Best Graduate Research Presentation". This is an excellent opportunity for your students to showcase their research projects.

Our second forum during the conference is the Faculty Forum, which is a session designed to help develop university faculty. This session has also grown in popularity over the past two years. This year we are planning a session focusing on grant writing and the role of consulting in one's scholarship.

We are also working to identify industrial research and development experts who would be willing to present a keynote address. If you know of an industrial R&D specialist, please contact me.

In addition to our efforts in preparation for the 2003 Conference, we have agreed to collaborate with the Student Divi-

The Research Division's 2003 Faculty Forum will focus on grant writing and the role of consulting in one's scholarship.

sion in support of undergraduate research activities. Following the March Board meeting, we will have more information for you. Finally, Dr. Charles Patrick is working with Dr. Fred Walker, Electronic Submissions Editor for the *Journal of Industrial Technology*, to investigate what needs to be done to list the *JIT* on on-line refereed journal listings.

Finally, we ask every member of the Research Division to encourage their colleagues to join the Division. All NAIT members are entitled to a primary (CCTI, University and Industry) and special interest division as a part of the membership fee; most members only list a primary division. To designate the Research Division as your Special Interest Division, just email to nait@nait.org. Your assistance is greatly appreciated. ●

NAIT Student Chapter News

Region 1

Millersville University of Pennsylvania

Submitted by Interim Chapter President Ben Tarnowski (MaxRoberts22@comcast.net) and Dr. John Wright, Chapter Advisor (john.wright@millersville.edu)

Graduate Students Matt Vazquez and Frederick Rodgers recently added the necessary sensors for the dynamic stabilizer gear on MU's electric motorcycle, which allow the driver to adjust the landing gear to desired heights. Other undergraduate projects for the vehicle include: addition of shell/frame mounting brackets, fabrication of a new windshield and windshield wiper assembly, design of a canopy strut-actuated lift system, and wiring of several instrumentation clusters. Millersville plans to enter the motorcycle in the 2003 Tour de Sol!

Ben Tarnowski, an Industrial Technology – Electronics major, is developing a wireless vision system for our Tele-operated Mobile Robotic Manipulator. Ben plans to enter the upgraded in the upcoming RI/SME student competition in May 2003. Jacquie Miley, a Technology Education major, is working with Dr. John Wright on interfacing/testing infrared analog sensors to a Micrologix 1200 PLC. This applied research and experience will add increased capability for object detection and location. Matt Vazquez is also pursuing advanced PLC research on proportional-integral-derivative (PID) control as part of his Master's applied project. These research topics will aid the MU team in future mobile robot designs and development for applied competitions.



Purdue University

This year's team has been successful in increasing the number of members by 42%. This is due in large part to the outstanding effort in generating and completing member-driven ideas and projects. The Purdue chapter has been busy organizing a campus-wide 3-on-3 basketball tournament. The tournament will include 32 teams with prizes being donated by local businesses. This is one of the inaugural events developed by this year's members. Members and officers continue publicizing NAIT and networking with other organizations. We will be attending campus-wide conferences to promote the Department of Industrial Technology and NAIT. Our chapter has shared several of its guest speakers with SME and PAID [page 8](#)



Dr. Steven A. Freeman, can be reached at

Safety Division Report

Teach in Safety? We need your input!

By Dr. Steven Freeman, Division President
Iowa State University

The Safety Division is seeking input from NAIT members involved in teaching safety courses. If this is you, we would appreciate your responses to the following questions:

- How many safety courses are there in your curriculum?
- How can the NAIT Safety Division support or enhance your safety efforts within your industrial technology curriculum?
- What types of safety topics or issues would like to see addressed as presentations at future NAIT conventions or as research articles within the *Journal of Industrial Technology*?

To align activity with membership needs, the Safety Division is polling NAIT members.

Please send your responses by email to Dr. Steven A. Freeman, Safety Division President at sfreeman@iastate.edu.

The Safety Division also has opportunities for interested Division members to help determine the future direction of the Division by serving on the Division Executive Committee. The Division is seeking chairs for the following Division standing committees: Convention, Certification, Membership, Public Relations, Research, and Standards & Accreditation.

If you are interested in one of these leadership positions within the Safety Division please contact Dr. Mandara Savage, Safety Division President-Elect at msavage@engr.siu.edu.

Taking Off?

Please let NAIT know where you land! If you are graduating, moving, or taking a new job, please don't forget to let the NAIT office know. Send a message to nait@nait.org or call (734) 677-0720. If you don't let us know where you've relocated, your dues notice may not catch up with you, probably resulting in non-payment of your dues and loss of your NAIT membership and your NAIT certification. If you have moved recently, please take a moment to let us know. Thanks!

Attention: New Grads and Faculty Members

NAIT Certification is for You!

Starting your post-collegiate career in an uncertain economy can be daunting, even with your valuable Industrial Technology degree. Adding NAIT certification as a CIT to your resume can give you a little edge in the market place, as 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 can also help you advance in higher education and work your way up the tenure ladder. 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. 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 – the list on the right 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 Avenue, 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. ●

Why NAIT Certification?

A 2002 survey of NAIT certified University Division members gives us an idea of how NAIT certification can be valuable.

When asked, "How does the NAIT Certification help or has helped you professionally?" respondents told us:

- Certification helps Industrial Technology students validate their knowledge and therefore make them more marketable.
- It validates the competency level of the individual among others not familiar with the profession and helps with consulting work.

When asked, "At your institution, are there any specific benefits of having this Certification? If yes, what are the benefits?" respondents told us:

- NAIT Certification is considered professional recognition; faculty are often recognized for obtaining CSIT and are awarded merit pay.
- Certification is seen as professional development for the promotion and tenure process.
- Justifies travel grants to workshops and conferences for continuous improvement effort. ●

Institutions with NAIT Accredited Programs

November 2002-November 2003

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

Alcorn State University
Arizona State University-East
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
Crowder College
East Carolina University
Eastern Illinois University
Eastern Kentucky University
Eastern Michigan University
Elizabeth City State University
Georgia Southern University
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
Linn State Technical College
Middle Tennessee State University
Millersville University
Minnesota State University Moorhead
Morehead State University
Norfolk State University
North Carolina A&T 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
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-Pine Bluff
University of Louisiana-Lafayette
University of Nebraska-Kearney
University of North Dakota
University of Northern Iowa
University of Southern Maine
University of Texas-Tyler
University of Wisconsin-Platteville
University of Wisconsin-Stout
Walters State Community College
Western Kentucky University

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) 677-0046 • 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 Divisions (one free, additional \$15.00):**
 - Electronics, Electricity & Comp. Tech \$15.00 _____
 - Graphic Communications \$15.00 _____
 - Manufacturing Systems \$15.00 _____
 - Research \$15.00 _____
 - Safety \$15.00 _____
- Focus Groups (FREE):**
 - Administration
 - Construction
 - Distance Learning/Internet
 - Technical Management

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: _____

NAIT Student Chapter News - *continued from page 5*

Purdue University (continued)

(Professional Association for Industrial Distribution) in order to attract more members with similar scholastic and career goals. Our group is now getting charged up for the construction of our robot for Nashville. Other upcoming events include officer elections, the senior banquet, and graduation.



NAIT student chapter officers at the Purdue's Activities Carnival.

Region 2

Iowa State University

Submitted by Ali Sareini, Chapter President, ali_sareini@hotmail.com

ISU is planned a resume workshop at our March meeting to help students prepare for interviews and internships. ISU's annual VEISHEA parade is this April and the student chapter of NAIT is going to be taking part along with SME to set up a CNC machine and have a couple of remote control cars there to show what we do in Industrial Technology. The remote control cars are going to be for a crash course event being set up by the NAIT chapter. On April 28th, elections will be held for new officers for the fall of 2003. Fall plans include NAIT chapter participation in a university-wide student organization blood drive, and the annual car wash and welcome back BBQ.

Region 3

East Carolina University

Submitted by Ms. Amy Frank, ECU Chapter Advisor, franka@mail.ecu.edu

East Carolina University Student Chapter started off the spring term by raising over \$400 by selling coursepacks for one of the department courses. In February, the chapter sponsored a "6:01 Club" in which all faculty, staff, and students are welcome to take a break one evening at a local establishment. We have another "6:01 Club" scheduled in March and then again in April. A joint meeting with the SME Student Chapter and Professional SME Chapter was scheduled for late March. The chapter is working on a spring trip to Norfolk, VA or Charlotte, NC. We will tour a manufacturing facility and then will spend the next day at an amusement park. The ECU

chapter is also planning a rafting trip in the mountains this June. The trip will include a plant tour of a facility not accessible in our area. If any other NAIT Chapters would like to join us for this rafting trip, please contact us!

Morehead State University

Submitted by Dr. Ahmad Zargari, Chapter Advisor, a.zargari@morehead-st.edu


On March 5, 2003, the Society of Manufacturing Engineers (SME) Chapter 154 of Lexington, KY Region 3, presented the Ed Wilson Memorial Scholarship to two National Association and Industrial Technology (NAIT) student members from Morehead State University. The scholarship recipients were NAIT member Daniel Risner of Staffordsville, Kentucky, SME Student Chapter S303 President, and Industrial Education and Technology senior; and Nancy Artrip of Russell, Kentucky, also an Industrial Technology senior, active SME member, and NAIT student chapter officer. The Ed Wilson Memorial Scholarship is presented to academically successful students majoring in the field of engineering or manufacturing technology who are active in promoting SME's mission and upholding its standards. Mr. David Sparkman, SME Lexington Chapter 154 Chairman, presented the awards at a ceremony held at the Kentucky Inn in Lexington, Kentucky.



Mr. David Sparkman, SME Lexington Chapter 154 Chairman, presents the Ed Wilson Memorial Scholarship to Morehead State NAIT members Daniel Risner and Nancy Artrip.

North Carolina A&T State University

Submitted by Dr. Sheila Rowe, NCA&T Chapter Advisor, serowe@ncat.edu

There is renewed interest in the North Carolina A&T State University NAIT student chapter. Membership is growing. New officers have been elected and work has begun to prepare for the NAIT 2003 Tele-Operated Robotic Manipulator Contest. Members are excited and looking forward to the competition. NAIT Student members participated in School of Technology Career Fair with great success. Representatives from Dana, BMW and Nestle were among the companies that attended.  [page 11](#)



University Division Report

Convention Mini-Grants Promote Young Leaders!

By Dr. William Brauer, Division President
Bemidji State University

Dr. William Brauer can be reached at wbrauer@bemidjistate.edu

The discipline of Industrial Technology has grown and is now recognized by CHEA. This growth is due to its applied base and the strength of its leadership. The vision by NAIT leaders has focused on development and renewal of our leadership.

One component of developing leadership is recognizing those who continue to strengthen our discipline. By recognizing the Outstanding Industrial Technology Professor (OITP) for each region, the University Division initiates the process of recognizing individuals who have contributed to the discipline. The nomination process for the OITP in your region has started. Contact your regional Director for more information (you can find your region through the "NAIT Regions" link on the NAIT website, www.nait.org).

In our continuing effort to promote new leaders, the University Division will continue the mini-grant program that helped defray NAIT Convention attendance expenses. The two mini-grant awardees from 2002, Dr. Shana Smith and Dr. Steven Hsiung, volunteered to fill leadership positions in NAIT. Dr. Smith is Region 2 Director and Dr. Hsiung is President-Elect of the EECT Division. (See the sidebar to this article for more info about the mini-grant program.)

New leadership also comes from the inclusion of the entire membership. Again, this year, elections will be held to fill

The two University Division mini-grant awardees from 2002, Dr. Shana Smith and Dr. Steven Hsiung, volunteered to fill leadership positions in NAIT.

organizational positions. The positions that will be open within the University Division of NAIT will be: President Elect, three regional directors (Regions 1, 3, 5), two members for the Board of Accreditation (Regions 1 and 2), and one member for the Board of Certification from Region 4. You can nominate yourself or another by sending an email with a 6 line bio, the specific position the nominee has interest in, and the region number of the nominee. *Email nominations to Dr. Niaz Latif at nlatif@tech.purdue.edu or to Dr. William Brauer at wbrauer@bemidjistate.edu by May 1, 2002. Detailed information is available at www.nait.org.*

The two University Division mini-grant awardees from 2002, Dr. Shana Smith and Dr. Steven Hsiung, volunteered to fill leadership positions in NAIT. ●

NAIT Convention Mini-grants from University Division

NAIT's University Division will provide travel incentive grants, a maximum of \$350 each, to two of its members. The grant is intended to help the recipients attend the 2003 NAIT convention 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 in a leadership position in the NAIT University Division
- Will attend leadership session/workshop at the NAIT Convention in 2003

Deadlines

- Last day to submit an application: May 1, 2003
- Notice of award: May 15, 2003

Review process

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

Application process

Submit the following items to wbrauer@bemidjistate.edu (electronic submission preferred) or mail to:

William Brauer, Ph.D., CSIT
Chair and Professor of Industrial Technology
Bemidji State University
1500 Birchmont Dr.
Bridgeman Hall, Box 34
Bemidji, MN 56601

Please include the following:

- Copy of the notice of presentation acceptance for the 2003 NAIT Convention.
- Letter of support from the department chair/head.
- A brief statement of purpose in terms of anticipated benefits of attending the NAIT Convention.



Student Division Report

2003 Goals/Strategic Plans Update

By Dr. John R. Wright, Jr., Student Division President
Millersville University of Pennsylvania

Dr. Wright can be reached at john.wright@millersville.edu, President Elect
Dr. Haig Vahradian at haig.vahradian@millersville.edu, and Past President
Dr. Lesta Burgess at l.burgess@uni.edu.

Increasing the number of NAIT student chapters is the Student Division's primary goal. Our strategy has been to create an avenue (i.e., an exciting theme) to generate increased student interest in NAIT student chapter organizations. The 1st Annual Tele-operated Mobile Robotic Manipulator Contest was held at the 2002 NAIT Convention and students from around the country enthusiastically participated. We will continue to revise and develop the competitions and pursue increased levels of sponsorship from industry so we can further increase interest and convention participation. Parallax, Inc has recently agreed to sponsor a new prize for the contest, a Basic Stamp Educational Robot valued at \$250. We will be following up the success of the first year's contest



with continuous communication (email and phone) between the student division officers, regional directors, and chapter advisors to increase participation. Don't forget to register your club by Oct 1st for the 2nd Annual Mobile Robotic Manipulator Contest in Nashville in November.

The Robotics Contest, the IT/IQ Bowl and the Outstanding Student Chapter Award will all be part of the 2003 NAIT Convention.

The Student Division is also interested in cosponsoring an engaging/fun convention activity with the leadership of a professional division focusing on professional certification. NAIT Student members in NAIT-accredited programs become eligible for certification upon graduation, and it is important for our members to understand the advantages of doing so. It is suggested that our Chapter Advisors hold informational meetings/discussions on this topic twice a year.

We are also seeking interested and qualified advisors to serve as directors for regions 5 & 6. We are pleased that our President Elect, Dr. Haig Vahradian, has assumed this as his primary responsibility. If you or someone at your school is interested in forming a new chapter organization, we want to help you! We are also still seeking self-nominations from our student chapters for Outstanding Student Chapter of the Year. Anyone can nominate your chapter – just send me an email with the nomination letter attached. ●

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- **GRAPHIC IMAGING & DESIGN TECHNOLOGY**
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- **INDUSTRIAL TECHNOLOGY**
Aerospace Manufacturing Technology, Automotive Technology, Construction Management, Electronics, Industrial Technology, Manufacturing Management, MS Industrial Technology and Industrial Management, PhD Technology Management

- **NURSING**
BS|N|/BS(N) Completion, MS(N)
- **SAFETY SCIENCES**
Safety Management, Occupational Safety & Health, Crisis & Disaster Management
- **AEROSPACE LEADERSHIP**
(Air Force ROTC)
- **MILITARY LEADERSHIP**
(Army ROTC) Minor



For more information call **1-800-SAY-CMSU** or visit **www.cmsu.edu**.

Region 4

Southeastern Louisiana University

Mardi Gras in Louisiana finds our NAIT chapter pursuing multiple projects and activities. Past president Marsha Montgomery is heading off to NASA's Huntsville, Alabama facility to observe the "The Great Moon-Buggy Race" and report back on what we can do to participate in next year's contest. Other students are planning a simple and affordable electric vehicle. Ideas and knowledge gained will be rolled over into future Electrathon America competitions. Our member Henry Blount has previous experience in the Electrathon, since he was team driver at his high school in Hawaii. In April we take a joint NAIT/AWS trip to the Ameri-



Two Cal State – LA students put some final touches to a pop bottle rocket.

can Welding Society Convention in Detroit with side excursions to assorted industries along the route.

For the 2003 NAIT Robotics Competition, we are reaching out to the computer science club and organizing an on-campus competition of teams of computer science majors paired with IT majors. Greetings to all and passé un bone ton, cher!!! Happy Mardi Gras!!!

Region 6

California State University – Los Angeles

This quarter, our chapter was very busy with the following exciting activities:

- We put together our annual Pop Bottle Rocket Competition. The winner of the competition was Charles Johnson, who won \$100, a plaque for his achievement, and a student copy of Solid Works (valued at \$200)
- Chapter members helped arrange the annual Engineering, Computer Science, and Technology Banquet
- Chapter members helped act as greeters and tour guides for the Engineering, Computer Science, and Technology Career Fair
- We sponsored the Technology Professor of the Year Award, which was presented to Dr. Paul Liu at the ECS&T Banquet

Please feel free to contact us: Dr. Virgil Seaman (Advisor) – vseaman@calstatela.edu; Dr. James Ettaro (Advisor) – jettaro@calstatela.edu; Shant Mardirosian (President) – anonymzb@aol.com; NAIT Chapter Website: www.calstatela.edu/orgs/nait/nait.htm

Recent *Journal of Industrial Technology* Postings

We began posting Volume 19, Number 2 of the *Journal of Industrial Technology* on the NAIT Website, www.nait.org, on February 1, 2003. Volume 19, Number 3 will begin on May 1, 2003. The online *JIT* has search capabilities and an archive of past issues. The *JIT* publishes refereed and non-refereed papers related to the field of Industrial Technology. Listed are articles posted since the last issue of the *IT Insider*. To read the *JIT* or for information about the publication process, check the *JIT* section of www.nait.org.

Volume 19, Number 2

- "Importance of Technical Competencies in the Graphic Communications Curriculum as Perceived by the Graphic Communications Industry and Educators" (Volume 19-2, March 2003)
Dr. H. Naik Dharavath
- "An Integrated Framework for Assembly-Oriented Product Design and Optimization" (Volume 19-2, March 2003)
Dr. Quiang Su & Dr. Shana S-F Smith



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Mark Your Calendar!

Email Acceptance/Rejection of Presentation Proposals _____	April 1-4, 2003
Deadline for "Selected Papers" Submissions _____	June 30, 2003
Convention Program and IT Insider Deadline _____	July 14, 2003
Convention Preregistration begins _____	August 18, 2003
Acceptance/Rejection for "Selected Papers" _____	August 18-22, 2003
Presenters must join NAIT & Register for Convention _____	September 30, 2003
Early Bird Registration Deadline – Rates Go Up! _____	October 20, 2003
Last Preregistrations Processed at NAIT Office _____	November 11, 2003
2003 NAIT Convention, Nashville, Tennessee _____	November 19-22, 2003