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From the Chair

Louisville Location, Facilities, Attractions and Program = Great NAIT Convention

By Dr. William Brauer, NAIT Executive Board Chair
Bemidji State University

The 2004 NAIT Annual Convention is October 20 through 23 in Louisville, Kentucky and should be exceptional. Louisville is centrally located for most NAIT members and the convention is a great place to increase your networking connections, learn about the discipline, and contribute to its growth. Our host, the Hyatt Regency, is near fine dining, fast food outlets, and an urban mall, and other attractions like the Belle of Louisville, Churchill Downs, Kentucky Derby Museum, Louisville Slugger Museum and the Louisville Bats (this is a great tour), along with gambling on riverboats and across the river in Indiana



Louisville, Kentucky hosts the 2004 NAIT Convention. Louisville photos courtesy of www.gotolouisville.com

Our theme, "Linking Industry with Industrial Technology Programs," is exemplified by the "Industry Day" program on Friday. Industry-specific tracks are planned to facilitate industry people and others to attend sessions that focus on relevant industry topics (see the program insert for more detail.) Also bringing an industry perspective are our two keynote speakers, Steven Defazio of Cooper Standard and Larry Dumas, until recently the Deputy Director of the Jet Propulsion Lab (see the article on this page.) Attendees can also sign up for a tour of the nearby Amatrol plant or Publishers Press, attend Saturday workshops on PIC Microcontrollers Programming and Controls presented by the EECT Division, a CAD & Rapid Prototyping Workshop presented by Dimension/Stratasys for the Graphic Communications Division, a Lean-Sigma Workshop during the "Industry Day" program on Friday, along with an Accreditation Team Member/Self-Study workshop on Wednesday and a Team Chair Training workshop on Thursday.

In addition to over 180 breakout sessions, where NAIT members present their work, the business of the divisions is conducted at the convention, where your input is needed in attending business meetings and volunteering for committee work. One activity that has grown markedly the past few years is the student ☞ page 2

NAIT Keynotes to Bring an Industry Quality Perspective to Louisville

NAIT Convention attendees will hear two interesting luncheon keynote speakers this year in Louisville. On Thursday October 21, Steven Defazio, Quality Assurance Manager for Cooper Standard Automotive at their Mt. Sterling, Kentucky facility will speak to "The Importance Of Continual Improvement and Customer Satisfaction of Industrial Technology and its Link to Industry." Drawing on his industry experience and his role as Chair of Morehead State University's Industrial Advisory Board, he'll ask "Who are the customers of an Industrial Technology program?" and will touch on the need for change, marketing students, how faculty are involved in customer satisfaction, and utilizing continual program improvement. ☞ page 2

Louisville Slugger Museum photo courtesy of James Moses.

2004 PROGRAM INSIDE!

DON'T FORGET!

The NAIT convention is a pretty good deal when you throw in the meals and refreshment breaks. A Full Conference Registration includes Thursday and Friday lunch and the Friday, and all attendees get a free breakfast on Friday morning (if you get up early enough). You can also register to include the NAIT Foundation Recognition Dinner on Thursday night. The PreConvention program and the NAIT web page, www.nait.org, can provide you with more information on the convention. This year's annual convention should be outstanding with your attendance. I'll see you in Louisville!

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University Division
Morehead State University

Mr. Rick Coscarelli
NAIT Executive Director

Louisville Location, Facilities, Attractions and Program... - *continued from front page*

competitions, which have really taken on a lively following. We'll broadcast the robotics competition so that all can view it from Pepper's Tavern! We continue our efforts to bring the exhibitors our members want to see, such as Amatrol, American Technical Publishers, Dimension/Stratasy, Feedback, Goodheart-Willcox Publisher, Industrial Technologists Toolkit for Technology Management, Rixan Associates, SolidWorks and Z-Corp, and we expect them to be joined by other vendors and academic programs. We appreciate their support, and we encourage your organization to sign up for booth or a sponsorship. ●



Churchill downs.
Louisville photos courtesy of www.gotolouisville.com

NAIT Keynotes to Bring an Industry Quality Perspective to Louisville - *continued from front page*

On Friday, October 22, NAIT attendees get to hear first hand how technology is applied in extreme applications where quality is essential. Mr. Larry Dumas, the recently retired Deputy Director of the Jet Propulsion Lab, will speak on "*The Appropriate Use of Technology in Robotic Space Exploration, or, You Can't Fool Mother Nature.*" In his decades-long career at JPL, Larry was intimately involved in many of the most exciting and groundbreaking robotic space exploration projects that brought us new understanding of our solar system. In his address, Larry will ask, "What are the lessons to be learned from the past four decades of robotic solar system exploration with respect to the related process for technology introduction and usage?" He'll explore that question drawing on his experiences with the Mars Exploration Rovers Mission, in which two autonomous rovers were set down on Mars early this year, the Cassini Huygens Mission, successfully placed in orbit around Saturn on July 1, with an entry probe scheduled for landing on Titan in early 2005, and the Deep Space Network, a worldwide set of ground facilities for tracking and communicating with spacecraft beyond earth orbit. ●

NAIT Notes

Membership rates have increased; NAIT Elections and NAIT Bylaws Revision Ballot



The NAIT Executive Board approved implementation of a membership dues increase, the first since 1997, on July 1. The Professional Membership dues rate will increase to \$80 annually, and Student and Retired Memberships will be set at \$20. Organizational Memberships will remain at \$240. With the change, members will also be able to choose up to two Special Interest Divisions at no charge beyond their annual membership dues.



NAIT Elections will be conducted in late August and September via postcard and e-voting on the website. Along with Divisional elections, and candidates for the Accreditation and Certification Boards, there will also be a mailer with a NAIT Bylaws Revision ballot. The bylaws revisions mainly concern adoption of new membership rate ratios and clarification of membership classes, specific allowance for voting by electronic communications, clarification of terms of office for officers, eliminating conflicts between the authority of the Executive Board and the independent Boards, and other "housekeeping" to make the bylaws internally consistent. ●



Benjamin Lee may be reached at (323) 343-4572 or at blee10@calstatela.edu

Graphic Communications Division

Industry Tour and Workshop Highlight Convention Program

by Dr. Benjamin Lee, Division President
California State University – Los Angeles

The Graphic Communications Division has arranged a very exciting industry tour and an industry-led Workshop for this year's NAIT Convention in Louisville, Kentucky.

We will visit a state-of-the-art magazine production company. Publishers Press specializes in printing magazines - it's all they do and over 900 magazine titles choose Publishers Press for their printing needs. They have developed an expertise in magazine production that keeps quality high and costs low. One of the largest publications printers in North America, they are large enough to invest in the latest technology and equipment to provide the services any magazine requires, yet they are a small, family-owned company. This enables them to treat their customers with the respect, personal attention, and service they deserve.

On Saturday, we will host an industry-led workshop "3D Printing Extends College's CAD Curriculum" presented by Jonathan Cobb, vice president and general manager for Dimension 3D printing which will focus on their work with Owensboro Community and Technical College's Manufacturing Division. How can a learning institution to help ensure graduating students enter the job force prepared? Owensboro was looking to extend its

CAD and Machine Tool program and curriculum by incorporating technology that would allow students to create functional 3D models, thereby gaining hands-on experience to prepare them for real-world situations. Using Dimension in conjunction with 3D Solid CAD, students are able to generate 3D functional models that they can use to evaluate designs, test functionality and most importantly, add to their design portfolios. The workshop will address creating real-life experiences for design students, using these experiences to generate department revenue, and using hands-on applications in recruiting.

Please don't miss this year's industry tour and industry-led workshop. We'll see you in Louisville! ●



Magazine printer Publishers Press will host our Convention Tour and we'll finish the program with a CAD & Rapid Prototyping Workshop from Dimension/Stratasys



Dr. Rudisill can be reached at al@rudisill.ws or by contacting the NAIT office.

NAIT Foundation

Annual Dinner Recognizes Supporters; Charter Membership Campaign Ends this Year

by Dr. Alvin E. Rudisill, NAIT Foundation Board Chair

Conference Activities

The NAIT Foundation Board will meet on Wednesday evening, October 20, 2004 at the Annual NAIT Convention in Louisville, Kentucky. The Annual Foundation Recognition Dinner will be held on Thursday evening at the Convention. NAIT members may sign up for the dinner through a "Full Conference/Foundation Dinner" registration or as an individual event.

Foundation Goals

The Board has established the following "Annual Goals" for 2004:

1. The Charter Institutional Membership Program shall be continued for one more year and an effort will be made to fill the last 9 slots.
2. The Charles Keith Circle Program will continue with a goal of 5 new members.
3. An effort will be made to establish one new Named Endowment Program.
4. The Industrial Technology Leadership Series will continue and an effort will be made to add additional individuals to this series.
5. Foundation activities will be promoted through mailings and newsletter articles.
6. The Annual Foundation Recognition Dinner will be continued during the 2004 NAIT Conference.

7. A Promotional Campaign to elevate the understanding of Industrial Technology in industry will be explored during the year.

Financial Report

The Foundation currently has the following financial accounts:

- \$35,000 Doctorial Scholarship Investments
- \$40,000 General Investments
- \$10,000 Savings
- \$1,734.65 Checking

In addition, the Foundation has outstanding pledges of \$59,000. Members of the Foundation Investment Committee are Dr. Tad Foster, Ms. Diane Dufek and Mr. Rick Coscarelli.

Last Chance

There are a limited number of Memberships available in the NAIT Foundation Charter Institution Membership Program. Institutions become members in this program by making a one-time commitment of \$1,000. Charter Institutional Members will receive a plaque and their names will be placed on a permanent Foundation plaque that will be displayed in the NAIT national office and at each NAIT convention. The program will be closed following the 2004 convention. Call the NAIT Office if you have questions or wish to participate. ●



David Devier may be contacted at david.devier@uc.edu

CCTI Division

NAIT Convention Theme and CCTI in Alignment

by Dr. David H. Devier, Division President
University of Cincinnati – Clermont College

Greetings NAIT-CCTI professionals. I hope that your summer went well and that you enjoyed the weather and some R and R. The NAIT Annual Convention is set for Louisville, KY in October and I want to invite you to join your IT colleagues in this excellent professional activity. This year's convocation theme, "Linking Industry with Industrial Technology Programs" is right in alignment with the ongoing goals of our Community Colleges and Technical Institutes. As a matter of mission, we strive to connect with industry with all our industrial technology programs. We have industry-based advisory committees to guide our curriculum, equipment selections, help with assessments and keep us honest. We place interns and graduates in all types of industries and garner much from our partnerships.

The CCTI special interest sessions at the Convention will be a wonderful opportunity for CCTI members to gain insights into best practices from across the country as well as network with

others with like interests. If you have attended the convention before then you know how enlightening and stimulating the interest sessions, commercial displays, and general discussions are for your professional development. If you have not attended then you should truly make this investment of time and resources to attend in this fall. Of special interest will be the Best Practices CCTI Division Forum on Thursday evening where all attendance will be invited to share their examples of successful activities of all types, curriculums, institutions, partnerships, etc. Please come prepared to share with details, handouts, and enthusiasm about your most successful activities. We may also want to discuss the reauthorization of the Perkins act and how it may impact our programs. I look forward to seeing everyone in Louisville.

If you have any input or ideas for improvement of the CCTI Division and/or the convention, please contact David Devier at devierd@uc.edu.

EPT Celebrates Diamond Jubilee

by Dr. Jerry Streichler, EPT Executive Director

Epsilon Pi Tau, NAIT's Honor Society was founded 75 year ago on March 13, 1929 and January 1, 2004 through June 30, marks EPT's Diamond Anniversary, including special events at the NAIT Convention. EPT recognizes individuals for their leadership potential and accomplishments, and encourages one's professional development as provided by NAIT. By doing what it does best - Recognition of Excellence - those who have been so recognized by Epsilon Pi Tau have been among the leaders who have determined the operation and set the course for NAIT. Charles Keith, regarded as the father of NAIT, was an EPT member and held its highest member recognition, the Distinguished Service Citation.

EPT-NAIT Dr. Alvin Rudisill Conference Attendance Scholarship

The scholarship honors former NAIT Executive Director, Dr. Al Rudisill, an EPT Distinguished Service member, for his dedication, and his extensive and impressive leadership record. Two \$500.00 conference attendance scholarships will be awarded, one to a person eligible for membership in the University Division, the other to a person eligible for the CCTI Division. Presented at the conference-closing Banquet, the awards provide

funds to cover NAIT and EPT membership, conference registration and travel costs. The application deadline is September 22nd – contact Jerry Streichler at jstreic@bgnnet.bgsu.edu for details.



75th Anniversary Convocation and EPT Convention Activities

The EPT 75th Anniversary Convocation and Member Forum will be the first national meeting for representatives of the honor society's 120 chapters and 16,000 members. This will be held on Wednesday afternoon, October 20 as a pre-convention event. The EPT 75th Anniversary Exemplary Initiation to induct new members and award citations to deserving members is scheduled for late Friday afternoon. Brief remarks About EPT's 75th Anniversary also will be made at a NAIT luncheon and at meetings of the Industry and Student Divisions. The EPT member services table will also provide special 75th Anniversary information. The EPT Board of Directors will conduct their traditional meeting in conjunction with the NAIT conference.

Job Opening?

If you have positions opening in your firm or Industrial Technology program, think about posting the positions in the Classified Ads in the Career Opportunities section of the NAIT Website, www.nait.org.

The Industrial Technology focus of the NAIT site puts your classified advertising in front of the people you want to see your ad. With very reasonable rates - \$100 for the first month, and \$25 per week thereafter – and many repeat customers vouching for their effectiveness, NAIT Website ads shouldn't be overlooked in your faculty and staff recruitment efforts. Contact the NAIT office for more information – (734) 677-0720 or Email to nait@nait.org.

Find the Right Person with a NAIT Website Ad!



For more information on the EECT Division and its activities, contact Steve Hsiung at shsiung@odu.edu or Tom Scott at scott@ohiou.edu

EECT Division

PIC Workshop highlights EECT Convention Program

*Dr. Steve C. Hsiung, Division President-Elect
Old Dominion University*

It has been two fruitful years since EECT moved from Focus Group to a Division status. Thanks to the leadership of EECT president, Dr. Tom Scott, we have reached the goals: increased membership, established EECT list serve, and identified EECT core courses in NAIT accredited programs.

The October 20-23, NAIT 2004 convention is fast approaching. EECT has reviewed and selected a variety of presentations to provide opportunities for exchanging ideas among EECT members.

“Attendees of the EECT workshop on PIC microcontrollers programming and controls will receive a free PIC programmer with a 40 pin ZIP socket and accessories.”

Please keep in mind there is an EECT membership meeting for everyone to decide the EECT goals and activities for 2004-2005. The open meeting is Friday afternoon October 22 at 2:30 p.m., directly after Friday's luncheon. The election of EECT division President-Elect for the 2-year term from 2004-2006 2006-2008 is happening in late summer via mailed ballots and the NAIT Website. The new President -Elect will serve as President for 2 years from 2006 - 2008, so please select your best choice for our future EECT leadership.

For EECT specialists attending the NAIT Convention, we've scheduled a workshop on PIC microcontrollers programming and controls. This workshop will be focused on practical uses of PIC with respect to programming, stepper motor control, DC motor control, between multiple PIC communications, etc. The workshop fee is \$75.00 and includes a box lunch and all the materials. Attendees receive a free PIC programmer with a 40 pin ZIF socket, a power supply, a parallel cable for use between a PC and the programmer, a stepper motor, a DC motor, a motor control circuit board, and a variety of experience to allow you to use the PIC in your classroom experimentation activities and project design applications. Each attendee will want to bring his/her notebook computer with an available DB-9 serial (com) port and DB-25 parallel port that runs WIN98 or WINXP system. Be sure to sign up for the conference and reserve your place in the workshop early, so we can have the correct quantity of hardware available. See you in Louisville! ●

IT Insider Production Schedule

<u>IT Insider Issue</u>	<u>Copy/Ad Deadline</u>	<u>Mailing Date</u>
Winter 2004	November 3, 2004	December 3, 2004
Spring 2005	March 5, 2005	April 2, 2005
Summer 2005*	July 11, 2005	August 23, 2005

**Pre-Convention Issue with 2005 Convention Program*

Full information about advertising options and copy submission is available in the IT Insider section of www.nait.org. We prefer text and photos submitted as attached documents, but we can accommodate your capabilities. You can also contact the NAIT office at (734) 677-0720 or dave@nait.org with your questions.

IT Insider

The IT Insider is issued three times annually and is circulated to between 2,000 and 5,000 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



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Join NAIT!

You may be reading the IT Insider and thinking about going to this year's convention. We send this issue to our members, recent members and to faculty members in Industrial Technology/Technology Management programs throughout the U.S. But have you renewed your dues lately? Did you used to be a NAIT member and let that slip? Or are you new to the profession and haven't been a member yet?

We'd like to see you join NAIT and come to the 2004 convention. You can join or renew your dues through the Membership section of the NAIT website – www.nait.org.

Join your colleagues as a NAIT member and reap the benefits of the professional association for Industrial Technologists, including our Annual Convention, the Certification program, NAIT Program Accreditation and more.



Industry Division

Industry Day Program

Special Breakouts and Lean-Sigma Workshop for NAIT Industry Members

To provide NAIT Industry members with more value, the NAIT Industry Division has scheduled specific program

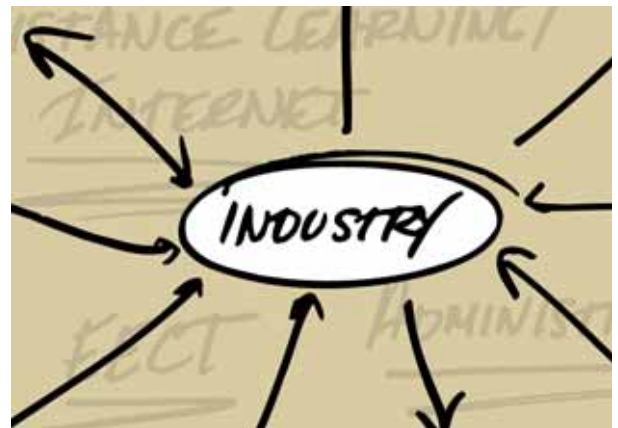
"The Industry Day program on Friday October 22 features morning breakout sessions with industry-based presentations on industry topics and Lean Sigma workshop in the afternoon."

items packaged as "Industry Day" for the Friday October 22 of the 2004 NAIT Convention in Louisville. A survey of Industry Division members conducted in 2003 re-

vealed that our members working in Industry would be interested in convention offerings specifically directed at their interests. Picking up the gauntlet, the Industry Division solicited proposals for presentations by NAIT members in Industry directed at NAIT members in Industry. The final Program includes 3 tracks of 3 "Industry Day" breakout presentations, all 50 minutes long, to be presented Friday morning. A few of the titles are: *Industrial Robotics in the 21st Century: A View from the Middle*, co-presented by Steven Harris, President of Rixan, *Six Sigma Methodology Applied to Critical Automotive Welding Applications*, co-presented by Geoff Lipnevicius of Lincoln Electric, and *Three Unit Townhouse: Managing Time and Resource Schedule Constraints*, co-presented by Robin Crouch of Project Management Consulting Services (*Look for the "Industry Day" sessions on Friday morning's schedule in the PreConvention Program for a complete listing.*)

The program continues Friday afternoon with a Lean-Sigma Workshop presented by NAIT member Nobel Redmon III who was Maytag's Lean-Sigma Coordinator after a career at Maytag that started in 1980. This workshop will start with how Maytag approached the implementation and integration of the Lean Principles and the Six Sigma Methodologies. Key issues and milestones will be examined in detail. Maytag measured their success in both "hard" and "soft" savings which would not have been realized through the "traditional" cost saving processes.

NAIT Industry Members will be able to register for the "Industry Day" program at the one-day rate of \$130, which includes the Convention luncheon. Although all Industry Day registrants are eligible to attend the workshop, seating is limited to 25 persons so registration is requested; \$5 for NAIT Student Members and \$60 for other NAIT members.) *Contact the Industry Division President, Bruce DeRuntz at bruce@siu.edu*



Student Chapter Update

Region 1

Millersville University

John Kuperavage, Chapter President, jmkupera@marauder.millersville.edu; Dr. John Wright, Chapter Advisor, John.Wright@millersville.edu

Millersville's NAIT Student Chapter ended the spring strong by raising over \$500 (Pizza Fundraiser) that will be used toward the purchase of a new laptop computer. We also have several very dedicated members who have been working on projects over this summer.

Our major project has been the development of our new robot for October's Tele-Operated Mobile Robotic Manipulator Competition. We have been working very hard to create a design that is not only innovative but high tech as well. We expect to finish our entry by the end of the summer so we can work on other club activities during the fall se-

mester such as additional fundraising, conference logistics, community service, and a new web page. We have also begun researching GPS and other types of sophisticated sensors to develop our team's experience for possible use on future robot designs.

Region 2

Southern Illinois University

Submitted by Jeremy Dodd, Vice-President, SIU NAIT Chapter, jsnjdodd@msn.com

The SIU chapter is on its way to purchasing a car to compete in this year's competition. Time is going to be short for us and a few of our members have graduated. It appears that our President (Teshura Smith) will not be back so we will be having new officer elections in August, when school starts back. Our last fundraiser was fairly successful, we are hoping to have the funds to send the majority of our team to the competition. ●



Tad Foster, the Research Division President and Dean of the College of Technology, Indiana State University can be reached at w-foster@indstate.edu

Research Division

Grad Student Research Competition and Career Path Planning Forum Featured at 2004 Convention

by Dr. W. Tad Foster, Division President

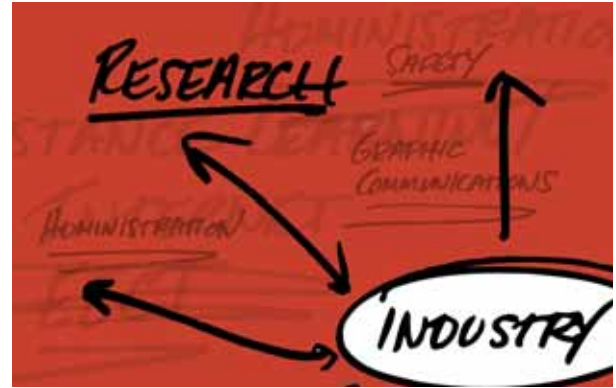
Greetings, colleagues. I realize that the majority of you are just getting back to campus and just getting back to that “fall semester” frame of mind. I hope the summer was a productive (in terms of rest and renewal) and refreshing time for you.

Plans are well underway for the 2004 Convention in Louisville, with it shaping up to be an outstanding professional meeting. As in the past, the Research Division will conduct six breakout sessions with two presentations each (we just need to remember to share our time). We will also sponsor the Gradu-

The Research Division Faculty Forum, Career Path Planning for Younger Faculty and Future Faculty will be an interactive session on career path planning and portfolio development for faculty seeking promotion or tenure.

ate Student Presentation and Poster Competitions (in fact the presentations have already been selected and they are first-rate examples of quality research).

This year, I have agreed to lead the Faculty Forum with an interactive session on Career Path Planning for Younger Faculty and Future Faculty (i.e., graduate students). During this session, we will discuss career path planning and portfolio development for faculty seeking promotion or tenure. I will bring examples



of successful portfolios, but I also encourage you to bring your career plan and portfolio for review during this session. Of course, this advice cannot be substituted for the advice of your own faculty and administrators, but it is another way that I hope the division can help you as a faculty member.

From July 9 – 19, 2004, I was on vacation taking my 28th trip to the Ukraine. During the trip I worked with about 50 young people in a small village in central Ukraine, spending time away from campus doing what I love most-teaching. I hope your summer was as good as mine! ●

Student Division

Convention Contest Schedule Changed

Nominations for President Elect and Chapter of the Year to be Considered

by Dr. Haig M. Vahradian, Division President
Millersville University

The NAIT 2004 “Linking Industry to Industrial Technology Programs” Convention is rapidly approaching and it promises to be a spectacular event for all, especially student division members. Changes in the scheduling of events like Robotics and ITIQ will free up time allowing students greater opportunity to attend special sessions including Industry Day activities. The IT/IQ Contest will be on Thursday afternoon again, but judging of the design and construction of the entries and posters will occur on Thursday evening, allowing Friday afternoon’s program to focus solely on the performance competition. Changes to the format of the competitions themselves will bring an added level of excitement to these events. This year the Student Division also awarded two \$200 Robotics Competition Grants – congratulations to the recipient chapters, Iowa State University and Southern Illinois University.

Student Division members should also be thinking of making recommendations to their chapter advisors regarding nominations for the next president elect. The nominations will be brought forth and discussed at the Student Division Executive Committee meeting during the convention, with a recommen-

“NAIT Chapters should prepare their nominations for Chapter of the Year The Division Executive Committee, made up of officers and chapter advisors, will nominate the next President Elect at the Convention.”

dation for a new President-Elect from among the Chapter Advisors/Division Directors, pursuant to the new Student Division Bylaws approved in the spring by the membership. Also, members should be considering nominations for the Student Division Chapter of the Year Award - please prepare and submit your nominations to the Student Division President by September 17, 2004. Please be sure to include all applicable information on the chapter (school, number of members, etc.) and submit a summary on the chapters’ activities over the past year (no more than 2 pages) and why the chapter should be recognized. I look forward to seeing everyone in Louisville. Contact Haig Vahradian with any questions or comments by e-mail at either Haig.Vahradian@Millersville.edu or at Vahrad@aol.com. ●



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Recent *Journal of Industrial Technology* Postings

The JIT publishes peer-refereed and general interest papers on Industrial Technology topics. Articles posted since the last issue of the IT Insider and up through July 31 are listed below. We'll post Volume 20, Number 4 on September 1, 2004. The online JIT is searchable by title, author or keywords. Read the JIT or get information about the publication process at the JIT section of www.nait.org.

Volume 20, Number 3 (June 2004 through August 2004)

- **"Controlling Robot Through Internet Using Java" (June 2004)**
Mr. Ravindra Thamma, Dr. Luke H. Huang, Dr. Shi-Jer Lou and Dr. C. Ray Diez
- **"Dimensional Metrology: A Perspective on Structure and Lab Integration" (June 2004)**
Dr. Bruce March and Dr. Mark Miller
- **"Graphic Communications Management Program Assessment: A Survey of GCM Alumni on the Curriculum" (June 2004)**
Dr. Ted Bensen and Dr. H. Naik Dharavath
- **"Identification of the Skills Needed by Workers in Various Segments of the Graphic Communications Industry" (June 2004)**
Dr. H. Naik Dharavath
- **"A LabView-Based Instrumentation System for a Wind-Solar Hybrid Power Station" (July 2004)**
Dr. Recayi Pecen, Dr. MD Salim and Mr. Ayhan Zora
- **"The Linkage of Partnership in American Automotive Industry Supply Chain Management" (July 2004)**
Dr. Jai W. Hong and Mr. Chao-Wei Cheng

JIT Volume 19 Available in Hard Copy!

If you'd like a bound copy of JIT Volume 19 (November 2002- October 2003) for your library, contact the NAIT office. The cost for this "perfect-bound" edition of the last complete JIT Volume is just \$25, including shipping. NAIT will produce a bound copy of JIT Volume 20 (November 2003 – December 2004) in early 2005 and continue with a bound copy each year. If you authored an article in Volume 19, or need it for your research library, send a message to dave@nait.org.

Don't Be Cruel!

Don't you hate it when you get mail stamped "Return to Sender – Address unknown"? 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, you could lose your NAIT membership and certification. If you have moved recently, please take a moment to let us know. Thanks!

