

## TEXTRON Job Fair Mar. 10-11

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3.8.06

### University High School Opening



**Lawrence Tech Chancellor Charles M. Chambers participated in the recent dedication at University High School and spoke about the opportunities available at Lawrence Tech for University High School students. In partnership with Lawrence Tech, the Ferndale Public Schools' University High School is a college and career preparatory school focused on providing students the skills and technological background to pursue careers in high-tech industries. The school opened in the fall for 9th-10th grade students.**

**Lawrence Tech Formula Team members Adrian Brdarski, team leader (far left), and Jeff Brown (middle) talked about the SAE® Formula car project with interested students from the University High School in Ferndale, after the school's dedication ceremony Feb. 15.**



# TECH NEWS



SERVING LAWRENCE TECHNOLOGICAL UNIVERSITY SINCE 1932

### Solar Decathlon Team Presents "AloeTerra" at ASHRAE Energy Summit

By Brian Eady

Last month Lawrence Tech had the honor of hosting the Energy Summit presented by the Detroit Chapter of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE). While events throughout the day included training sessions on updated energy requirements, a tour of the University's A. Alfred Taubman Student Services Center, and presentations from several distinguished speakers, the Energy Summit also provided an opportunity for students from Lawrence Tech's Solar Decathlon Team to introduce "AloeTerra" to industry professionals.

The goal of the students was to introduce the public identity of the Solar Decathlon and to spark corporate interest in supporting the project. Students distributed informational flyers and discussed the project with guests and potential donors. In addition, student Chris



**L-R: Chris McCarthy, Mike Samaroo, Don Duggar, and Brian Eady discuss the AloeTerra presentation Chris made to ASHRAE.**

McCarthy gave a presentation illustrating the importance of the international Solar Decathlon competition and defining Lawrence Tech's involvement in the program. The winning entries for the 2006 ASHRAE Zero Energy House Competition and the winning projects from the 2004 and 2005 competitions were

also on display during the event, solidifying Lawrence Tech's reputation as winners and reinforcing our intention of winning the Solar Decathlon.

#### What Is the Solar Decathlon?

The Solar Decathlon 2007, sponsored by the U.S. Department of Energy, is a high profile competition that brings together student teams from 20 universities across the United States, Europe, and Canada. This year students from Lawrence Tech have the honor of competing in the program and will have the opportunity of a lifetime as they are challenged with designing, constructing, and operating a highly energy efficient passive solar house.

The national importance of the competition is probably best illustrated by the site on which the homes will be assembled and displayed: the historic National Mall in Washington, D.C. There, the houses and educational exhibits will be showcased in the form of a "Solar Village." Hundreds of thousand of visitors will be able to view the homes, which will be judged in several different categories.

"AloeTerra" is the project title of Lawrence Tech's contribution to the competition and roughly translates as "to Nourish and Heal the Earth." This name encapsulates the design philosophy by which the team is guided.

For more information on "AloeTerra," please contact Brian Eady at 586.933.3010 or beady85@gmail.com.

For more information on how to make a gift to support the project, contact Bruce Pawlowski at 586.260.1642 or at bruce3.0@gmail.com.

## Power Tools to Get Your Dream Job

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**L-R: Alda Gapi Black, Andrea Lazor, and Ann Knecht share their enthusiasm and passion for the "Freedom by Design" project following the dinner and silent auction.**

### Raising Funds for Freedom by Design

By Karen Sanborn

Last semester, students in Lawrence Tech's chapter of the American Institute of Architecture raised over \$3,000 by holding a silent auction and dinner to raise funds for "Freedom by Design."

AIAS-LTU President Alda Gapi Black, Silent Auction Chair Andrea Lazor, and Freedom by Design Chair Ann Knecht solicited a variety of auction items, from artwork and photography to jewelry, handmade tiles, and concert tickets. Taher Dining Services served a delicious meal, and guests participated in a 50/50 raffle.

Most of the event's proceeds went to support the "Freedom by Design" initiative, which aids the efforts of architecture students, architects, and other building professionals who survey the homes of disabled people to identify barriers to mobility and then implement design solutions that radically improve their lives. Lawrence Tech students currently are working with a young, wheelchair-bound Pontiac man to adjust the door swings in his house and to make his kitchen more accessible.

Some of the auction funds were used to send Lawrence Tech students to FORUM, an AIAS conference where students take part in discussions and attend workshops about portfolios, rendering, and thesis writing. FORUM 2006 is hosted by the AIAS Cincinnati chapter.

## Architecture and Design News Briefs

### Design Students Create Digital Films

The 55-second digital films created by several design students in Erik Hemingway's integrated design studio last fall were selected as finalists for the second FLAK International Film Competition. The students who received this honor are Tamara Bannan, Mike Jackson, Stuart Johnson, Galina Mihaylova, Emilie Naismith, Jacob Olner, Andy Percowycz, and Alivia Stalnaker.

The works were part of a video research project that Hemingway uses in the design process to map site and programmatic opportunities for schematic architectural proposals. The films were shown at the Cranbrook Art Museum in Bloomfield Hills on Feb. 24.

### Hemingway Awarded Endowed Chair

Erik Hemingway, associate professor of architecture and principal of hemingway+a/studio, was awarded Louisiana State University's Nadine Carter Russell Endowed Chair in the College of Art and Design for 2006. As Nadine Carter Russell Endowed Chair, Hemingway teaches a weekly design/fabrication studio at the Baton Rouge university; gives a public lecture, which the university publishes; and shows his work in a special exhibit. Hemingway will give his lecture and open his exhibit in April. The lecture, exhibit, and publication are titled "Architecture and the Big Box Ready-Made."

## MDOT Chief Visits

By Bruce Annett

Gloria Jeff, director of the Michigan Department of Transportation (MDOT), toured the College of Engineering and spoke with students Feb. 6 about the future of her department and transportation in Michigan.

She said that like all of state government, MDOT expects to do more with fewer staff, but that there are tremendous needs ahead for replacing aging infrastructure and developing new solutions. She said it is important to view Michigan's transportation system as including highways, rail, airports, and shipping ports. Citing highway repairs as an example, Jeff pointed out how activity in any of these



L-R: Civil Engineering Chair Nabil Grace, Interim President Lewis Walker, MDOT Director Gloria Jeff, Interim Provost Maria Vaz, and Rita Screws, CivE'84, PE, manager of MDOT's metro region transportation service center.

modes can have broad repercussions for individuals and commerce, such as just-in-time manufacturing.

Shortly after her visit, Jeff resigned from her position and Lawrence Tech alum, Kirk Steudle, BSCE'87, was appointed MDOT director by Governor Jennifer M. Granholm, effective Mar. 3. Steudle has worked as an MDOT engineer since 1987.

## Chambers Appointed

By Bruce Annett

Detroit Renaissance President Doug Rothwell has appointed Chancellor Charles M. Chambers to serve on a benchmarking steering committee with the ultimate goal of developing strategies and initiatives to accelerate economic development in Detroit and the southeast Michigan region.

The committee will conduct a study to help identify regions the Detroit area competes with for jobs and talent and how it compares; qualities businesses and individuals consider in selecting a location; and the region's most important economic assets and how to strengthen them.

Based on its research, the committee will offer general recommendations for improving the local business climate and expanding key growth sectors of the economy.

## Physics Society News

By Joe Wallace

As the Society of Physics Students (SPS) heads into spring break, we have many upcoming events and activities planned. Here's a list of what we've been working on this semester:

In February, SPS hosted an astronomy talk by physics professor Scott Schneider. He discussed the behavior of the center of our solar system and the orbit of various planets.

SPS had a used book sale in March in the atrium and the fireplace lounge. Many thanks to the faculty and staff who donated books.

### Upcoming Events

- A bake sale
- An SPS T-shirt sale
- A lecture series, featuring College of Arts and Sciences Dean Hsiao-Ping Moore in April

SPS members will be tutoring/mentoring at the University High School in Ferndale, designing an SPS website, and fundraising on campus.

The SPS typically meets at noon on the first Friday of every month in S217. The SPS has a presence on Blackboard and hosts a discussion board. Check it out and send in your ideas.

If you'd like to join the SPS or have any questions, please contact either Luke Ewalt at le000083930@ltu.edu or Scott Schneider at s\_schneider@ltu.edu.

## TEXTRON Career Fair

Those unable to attend can apply online at [www.textronjobs.com](http://www.textronjobs.com).

TEXTRON is an Equal Opportunity Employer, M/F/D/V.

Friday, Mar. 10, Noon – 7 p.m.  
Saturday, Mar. 11, 10 a.m. – 3 p.m.

Buell Management Building Atrium

TEXTRON, a leading multi-industry company that is home to such brands as Bell Helicopter, Cessna, E-Z-GO, Jacobsen, and more, has exciting opportunities for engineering, manufacturing, and business professionals.

Attend the career fair and learn about TEXTRON jobs in beautiful locales across the nation.

For more information, call the Office of Career Services at 248.204.3140.

## WANTED: Former Robofest participants

who are now  
Lawrence Tech students

**We'd like to know what your major is, when you competed in Robofest, and how you're doing**

Please introduce yourself by visiting us in S112, or sending an email to [robofest@ltu.edu](mailto:robofest@ltu.edu)

# TECH NEWS

**Editor** Karen Sanborn  
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All articles and advertisements must be received by noon of deadline day. Photos or artwork can be dropped off at the Office of Marketing and Public Affairs, M139, in the Buell Management Building. If you have story ideas or questions regarding this schedule, please call 248.204.2210 or email [sanborn@ltu.edu](mailto:sanborn@ltu.edu).

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**Deadline for next issue is Monday, April 17, at noon.**

## Marburger Award Nominations Due Soon

By Louise Garrett

Take a moment to nominate that faculty member, administrator, or staff member who makes an outstanding contribution to the University. Nominations for the 2006 Mary E. and Richard E. Marburger Awards for Excellence will be accepted until Friday, Mar. 31. The awards will be presented prior to Innovation Showcase April 29, so that visitors to campus will be able to appreciate the recipients' achievements. You may nominate more than one person for each category, on separate ballots.

Some qualities to consider include exceptional competence and conscientious efforts, positive attitude, innovative ideas, and a constant willingness to be a team player. Also, consider professional achievements, career competency, and service to the University.

You can download a ballot at [my.ltu.edu](http://my.ltu.edu). Ballot boxes are located around campus, or you can send your nominations interoffice mail to Louise Garrett, Office of the Chancellor.

Each recipient receives \$1,000. The funds for the Mary E. and Richard E. Marburger Awards for Excellence were provided by the Marburgers and colleagues, alumni, and friends when Marburger retired as president in 1993.

## Robofest Volunteers Needed

By Lori Birman

The Robofest coordinators in the Department of Math and Computer Science Department need help in games judging, programming inspection, exhibition judging, event set-up, registration, proctoring, etc., for Robofest, an annual autonomous robotics contest for students in grades 5 – 12. Robofest participants design, build, and program robots to complete playful missions and exhibitions.

Lawrence Tech alumni, students, staff, and faculty volunteers are needed at the following eight qualifying sites in Michigan:

April 1:

Macomb Intermediate School District Building, Clinton Township, 8 a.m. – Noon

April 1: Hillside Middle School, Northville, 8 a.m. – Noon

April 7: Washtenaw Community College, Ann Arbor, 5 – 9 p.m.

April 8: Herlong Cathedral School, Detroit, 1 – 5 p.m.

April 22: Carman-Ainsworth Junior High, Flint, 8 a.m. – Noon

April 29: Ann Arbor Trail Magnet School, Detroit, 1 – 5 p.m.

April 29: Canton Charter Academy, Canton, 8 a.m. – Noon  
April 29: Cranbrook Kingswood Middle School, Bloomfield Hills, 9 a.m. – 12:30 p.m.

Volunteers also are needed for the May 13 World Robofest 2006 Championship, held in the Ridler Field House, where top teams from each of the qualifying sites will compete. Robofest 2006 has 19 qualifying sites across the U.S., Canada, and Korea, including a Video Submission Site for teams that are not located near a competition site.

Interested volunteers should contact Lori Birman at [lbirman@ltu.edu](mailto:lbirman@ltu.edu) or visit [www.robofest.net](http://www.robofest.net) for more information.

## SigEps Attend Regional Leadership Academy

By Brian Eady

In February, several members of Lawrence Tech's SigEp chapter had the opportunity to attend the regional Carlson Leadership Academy held in Pittsburgh, Pa., as part of the Sigma Phi Epsilon National Leadership Continuum. The program is geared mainly toward developing the officers of the organization, but we had the opportunity to send several new

members in hopes of promoting leadership and innovation within the chapter.

At the event, the men of MI Theta were recognized for their hard work at an awards banquet. The chapter received a Manpower Award for having the highest manpower on campus and the Excelsior Cup, an elite award that recognizes chapter improvement and success. Woody Floyd, BSCS'05, was also recognized with a Zollinger Outstanding Senior Award for his contributions to the fraternity.

The Leadership Continuum is a series of progressive programs set up by the SigEp

Educational Fund to help develop individuals into the leaders of the future through personal development, self-discovery, and brotherly interaction. The programs are:

### EDGE New Member Camp

A dynamic regional program dedicated to developing new members through educational seminars, team building exercises, and interaction between students from different campuses.

### Carlson Leadership Academy

Mainly an intense, two-day, personal development program for SigEp chapter officers, this program also provides a

*(continued on page 4)*

## INNOVATION SHOWCASE

**Student Volunteers Needed**  
Saturday, April 29

**Have fun meeting people and promoting your school.**

Jobs include applying temporary Blue Devil tattoos, assisting with the games or cotton candy machines, and hosting campus tours.

Staff an activity for two hours or more and get a free Lawrence Tech T-shirt, earn Larry Joe bucks, and receive a certificate for your portfolio.

**Interested? Contact Angelina Brown at  
[acard@ltu.edu](mailto:acard@ltu.edu) or ext. 2060**

## Professional Success-Strengthening Strategies For All That You Can Be The Power Tools Symposium

**Thursday, March 23, 2006, 2 p.m.**  
UTLC lobby

Symposium sessions include:  
Building strong personal networks  
Searching for, and landing, your dream job  
Selecting and fostering a professional mentor or series of mentors

**NETWORKING AND REFRESHMENTS AT 5:45 P.M.**

**Keynote Address**  
**ELEANOR JOSAITIS, founder and CEO emeritus of Focus:HOPE, 7 p.m.**

Register in advance at [www.mcwt.org](http://www.mcwt.org) or [www.mcwtf.org](http://www.mcwtf.org).  
Registration is \$20 for students; \$40 for MCWT members; and \$70 for non-members.  
Attendees may also register for the evening session only, at a reduced price.

**LAWRENCE TECH WILL PAY THE REGISTRATION FEE OF THE  
FIRST 100 STUDENTS TO REGISTER!**

All proceeds go to the Michigan Council of Women in Technology Foundation and its scholarship fund.

## SigEps Attend Regional Leadership Academy

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chance for newer members to learn more about chapter executive positions as they pursue leadership opportunities on campus.

### Ruck Leadership Institute

A leadership program for SigEp's Top Guns, this national event promotes personal discovery and the development of critical mentoring skills. The application process is competitive and only the best of the best are invited.

### The Tragos Quest to Greece

Q2G is an intense one week journey through ancient Greece in which participants study philosophy and the roots of the Greek letter fraternity. Only 16 brothers out of 14,000 are awarded the opportunity to attend this program, which challenges them intellectually, physically, and emotionally.

For more SigEp information, contact Brian Eady at beady85@gmail.com

HAVE FUN,  
WALK OR RUN

## Blue Devil 5K Fun Run

**Saturday, April 29**  
10 a.m.

Before Innovation Showcase

Sign up now at the  
Ridler Field House  
or call 248.204.3852

Free T-shirt for  
the first 50 entrants.

CALLING ALL  
FOURSOMES

## Fifth Annual Lawrence Tech Open

**Sunday, April 30**  
2 p.m.

18 holes of golf at  
**Glen Oaks Golf Course**

Prizes for longest putt,  
closest to pin,  
and longest drive.

\$15 deposit required

Contact Scott Trudeau  
at 248.204.3852  
for more information.

## Now Hiring:

Leasing Agent/  
Construction Expediter

Show and lease apartments and run errands related to apartment/townhouse construction in the Royal Oak/Clawson/Troy area

Part-time, flexible hours, including weekends; will work around class schedule

**\$12 per hour to start**

Ideal for college freshmen, sophomores or juniors, especially business/engineering/architecture/construction management majors

Call Allen for further details,  
248.280.1700.

## Lawrence Tech Grad Fair 2006

Sponsored by the LTU Bookstore

A Barnes and Noble college bookstore

**April 3 – 5, Noon – 7 pm**

LTU Bookstore

Everything you need for graduation...all in one place

Purchase your cap and gown  
Purchase your diploma frame  
Purchase cap, gown, and frame as package and save up to \$68

Order your Balfour class ring  
Order your graduation announcements  
Graduation portraits available

Talk to representatives from:

**Office of the Registrar**  
**Student Services**  
**Alumni Relations**  
**Career Services**  
**Office of Financial Aid**

If you cannot attend, call the bookstore at 248.204.3030 starting April 3.

For commencement information, go to [www.ltu.edu/calendar](http://www.ltu.edu/calendar).

## He Coined the Term “Intrapreneuring”

Gifford Pinchot III

Critically acclaimed author, lecturer,  
and entrepreneur will share his passion  
and insights on entrepreneurialism

Attend one of his lectures and be inspired.

**Thursday, March 30**

**2 p.m., Lear Auditorium, T429**  
**5:45 p.m., Science Auditorium, S100**

Co-sponsored by Lawrence Tech's  
Collegiate Entrepreneurs Organization  
and  
Education Innovation Collaborative