

**ETD Section Activities Report
June 2008**

**Jerome Tapper
Northeastern University
Boston, MA**

Northeastern University – School of Engineering Technology, Boston, Massachusetts

To: Scott Dunning, ETD Chair
From: Jerome Tapper
Subject: ETD Section Activities Report (Record numbers this time!)

June 6, 2008

Scott,

In preparation for the ETD section activities report to be given at the 2008 ASEE annual conference in Pittsburg, Pennsylvania, please find enclosed a copy of the activities material I have received to this point in time as of the last meeting, the ASEE/CIEC Conference in New Orleans, Louisiana in February

After 3 activities Calls, there were **12 of the 12** Sections reporting activities. **This is the first time that I have received something from every section since I had taken this job over some 6 years ago.** It is really great to see that there are folks out there who are interested in spending the time to help promote their interests and those of ETD. There was an additional activities report from a group in *Sweden* listed at the end of this report as OTHER Institutions. It was great to hear from folks from outside the U.S.

College of Engineering
School of Engineering Technology

Electrical Engineering Technology

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As you know, it was decide at a previous board meeting to change the format for section activities to a smaller, more friendlier format. This format is best described as a quickie one or two sentence activities description-teaser in addition to a web-site address to allow readers to get a more in depth view of the activities of the person or persons at the particular institution submitting the materials. **Although some of the data provided is still somewhat lengthy**, I feel that in coming announcements, folks will become better at providing smaller descriptive information bites.

I want to thank all of those who responded with section activities events and information this reporting period and additionally for the past 6 years. *This will be my last report as the Activities person on the ETD Board.* Marilyn Dyrud will be taking over my spot and I know she will do an exceptional job. Keep up the good work ETD!

p.s. I know that with the large amount of ETD institutions, there must be more folks who are doing things at their institutions that would like others to hear about it. We are only as good as we can promote ourselves. Let's do an even better job next time!

Best regards always,

Jerry Tapper

CALL FOR SECTION ACTIVITIES

E-MAIL POSTING

Colleagues,

We are getting very close to our ASEE National meeting in Pittsburg, Pennsylvania in June. Please pay close attention to the notice below!!!!

FREE PUBLICITY FOR YOUR SCHOOL AND PROGRAM!!!

Let's Beat the Record for Responses !!!

There are about 137+ 4-yr. Engineering Technology Schools in the U.S. not including a serious number of 2-year ET institutions. With that many, I believe that there must be at least one thing going on at each school that would be of interest to the ETD community at large....So!

It is that time again for you to promote the activities that you have had at your institution since the Winter CIEC meeting in New Orleans this past February. If you have had activities since then or are planning for activities in the future we are also interested in hearing from you about these.

This message is for everyone, even if you are not attending the Pittsburg meeting!

I would like to remind you folks to only send me a sentence or two describing the events. Long descriptions are really difficult to transcribe. Also, if possible, you should include a web site address where others can look for additional details of your events.

IMPORTANT!!! Please state the name of your school and its location. i.e. Boston, Massachusetts. This will help me a lot!!!!

I look forward to receiving your event materials.

Best regards,

Jerry Tapper, ETD Section Activities
Northeastern University, Boston

The following ACTIVITIES material was received:

ASEE St. Lawrence Section

Item #1

Several RIT folks and others from New York State and Vermont will be presenting topics at the New York State Engineering Technology Association meeting on April 17, 2008, at Fulton-Montgomery Community College in Johnstown, NY.

John Stratton, **Rochester Institute of Technology, Rochester, New York**

ASEE St. New England Section

Item #1

Jerry,

Thanks for the invite to share our news. See below.

News blurb.

Students in the Electro Club affiliated with the Electronic Engineering Technology program on the Canton campus of Massasoit Community College joined the ISA Boston section on a plant tour of the MWRA (Massachusetts Water Resources Authority) Deer Island waste water treatment facility. The MWRA tour guides showed the students & ISA members the controls & instrumentation involved in processing of a maximum 1.3 billion gallons/day combined sewer system. For more details refer to the attachment.

Regards,

Paul O'Hara

Professor, Electronic Engineering Technology

Electro Club Advisor

Massasoit Community College, Canton, Massachusetts

Education Chairman, ISA, Boston Section

<http://www.massasoit.mass.edu/>

[Engineering Technology](http://www.massasoit.mass.edu/Engineering_Technology)

<http://www.isa.org/~bosto/>

ASEE Middle Atlantic Section

Item #1

Jerome,

At the annual IEEE Region 2 Student Activities Conference on April 4-6, 2008, the Penn State Harrisburg (Middletown, PA) micromouse team consisting of Neseth C. Kong (BS EET), Curtis M. Armer (BS EE), and Andrew T. Zambell (ME EE) won first place in the Region 2 competition. In addition, the Penn State Harrisburg duo of John P. Kane (BSEET) and Brian E. Bell Jr. (BSEET) took third place honors in the same competition. Taking third place honors for Penn State Harrisburg's School of Science, Engineering, and Technology were: Project Showcase – Justin Drew Warner and Peter Edward Miles.

More detailed information may be found at
<http://php.scripts.psu.edu/dept/iit/hbg/about/News/2008-04/04-15-Micromouse.php> .

Jerry F. Shoup, Ph.D.
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Item \$2

Camden County College
Blackwood, NJ

The Engineering Technology department hosted 'Robot Scavenger Hunt', a high school competition to celebrate National Engineer's Week.

The College was a host site for the New Jersey Science Olympiad competition.

Chatman Lawrence

ASEE Illinois-Indiana Section

Item #1

Jerry this is in response to your ETD list-serve email for promoting activities. I hope this is what you are looking for:

Purdue University, West Lafayette, IN – College of Technology Mechanical Engineering Technology Department

Offering three, one week, summer guitar manufacturing workshops that cover CAD/Solid Modeling, CAM, CNC machining, manual processes, electronics/wiring, finishing, assembly, setup, and testing, where all participants leave with a fully functional, playable, electric guitar.

1. Second annual guitar manufacturing workshop targeted at adults (17 and older) open to the public (sponsored by Fender, Seymour Duncan, Stewart MacDonal, Cole Hardwood)

– July 14th to the 18th - fee: \$1295

2. SME STEPS supported Guitar manufacturing workshop targeted at high school students in 10th to 12th grade– July 29th to August 1st -12 to the 15th - fee: \$150 - FULL

3. WIRED Guitar manufacturing workshop targeted specifically at high school students in 10th to 12th grade from Region 4 of the state of Indiana – August 12th to the 15th - fee: none Website: www.metalsound.org Note: Paper being presented at ASEE addressing student workshops for getting kids interested in STEM disciplines.

Thanks,

--Brad

Brad Harriger

Purdue University
401 N. Grant Street, Rm. 131
West Lafayette, IN 47907
Phone: 765-494-7515
FAX: 765-494-6219
Email: bcharrig@purdue.edu

Item #2

Jerry:

**Indiana University-Purdue University Fort Wayne (IPFW)
Forty Wayne, IN**

Information Systems A.S. and B.S. programs will be moved to the ECET department during Summer 08 and a new Information Technology B.S. degree has been requested. The ECET department plans to change its name to Computer and Electrical Engineering Technology and Information Systems and Technology (CEIT) department to reflect the additional programs.

Thank you for your work on this.
Hal Broberg

Item #3

Jerry,

Here is a report on the success of sponsored programs for the Purdue College of Technology. Hope this is what you are looking for. Over the past five years, annual sponsored research funding for Purdue University's College of Technology has increased more than 800 percent from \$350,166 in 2001-02 to \$2.9 million in 2006-07; the college has nearly reached its \$5 million goal for 2007-08.

Mike

Michael T. O'Hair, Ed. D.
Associate Dean for Engagement
Purdue University
College of Technology
Knob Hall of Technology, Room 467A
401 Grant Street
West Lafayette, IN 47907-2021
Ph: (765) 494-2554 Fax: (765) 494-0486
mtohair@purdue.edu
www.tech.purdue.edu

Item #4

Hi Jerry
Two things;

Purdue College of Technology: Professors Michael Dyrenfurth and Robert Herrick led 12 students on a 1-week study abroad program in Dublin, Ireland focused on the global economy and technology.

Purdue ECET; Professor Greg Moss led a 2-week study abroad course to Wolfenbuettel, Germany to study DSP at Fachhochschule Wolfenbuettel.

Submitted by Robert Herrick, ECET Department Head

Robert J. Herrick
Purdue University
ECET Department Head
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ASEE North Mid-West Section

Item #1

Milwaukee School of Engineering (MSOE) has developed a "bridge year" course sequence (anticipated start Fall 2009) to prepare graduates of AAS-Electronics programs for the currently offered +2 BS degree program in electrical engineering technology (EET). The current +2 BS-EET program accepts graduates of approved AAS-EET programs.

Please contact Dr. Edward W. Chandler, chandler@msoe.edu or 414-277-7337

MSOE, **Milwaukee, WI**,
http://www.msoe.edu/academics/academic_departments/eecs/bseet/

Item #2

Jerry,

Below is the most concise write-up I could produce (it's only four sentences if you count them!) for our Innovation Chase held two weeks ago at MSOE:

The Great Race Innovation Chase is a one-day competition of student teams that tests their problem-solving skills and exercise innovative, team-oriented thinking to solve problems posed by experts from our sponsors: Chevrolet and OnStar. Each team consists of five students and one faculty mentor who coaches the team by offering advice during the stages of the competition. Eight stages of the Chase are organized at eight different locations around the city of Milwaukee: a mock commercial is filmed in front of the Calatrava Art Museum; print and web media are created at Discovery World at Pier Wisconsin; OnStar and XM satellite radio are featured at the GM Zone office in Brookfield, along with the GMAC Financing task for teams to figure out how to make their assigned vehicle more affordable to their peer market; and an accessories task, where

a new accessory is selected and designed for the vehicle, and a pit crew tire-rotation task is performed at our sponsor's Holz Chevrolet dealership. All this is streamed live to the InnovationChase.com website during the event and will host post-produced video that tells the storylines of the eight university's experiences from the Chase. The eight universities are:

Milwaukee School of Engineering, Illinois Institute of Technology, Marquette University, Bradley University, Valparaiso University, Lawrence Technological University, Milwaukee Institute of Art & Design, and the University of Illinois at Chicago.

Educational results from the Great Race Innovation Chase will be presented at the Frontiers in Education conference in Saratoga Springs, NY in October. Watch for new video to be posted to www.InnovationChase.com throughout the summer.

Dr. Jeffrey Blessing, MSOE

=====
Prof. Jeffrey Blessing, Ph.D.,
Kern Fellow, KEEN-PI and
Assoc. Professor & Director,
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Milwaukee School of Engineering
1025 North Broadway
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Web: <http://w3.msoe.edu/~blessing>
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ASEE MidWest

Item #1

Butler Community College, El Dorado KS announces its CATIA V-5 program now has a direct machining component that includes actual part production in its new Technology Center at its Andover KS campus. CATIA is used from start to finish in design and machining of a complete assembly.

Buford Pringle

ASEE Gulf Southwest Section

Item #1

Advanced Technical Education Department, **Southwestern Indian Polytechnic Institute, (Albuquerque, New Mexico)** will hold its "2nd "SIPI-SKC ROPE Summer Institute – "Exploring Engineering and Engineering Technology Careers" for students, on June 09-August 15, 2008.

Please check out the following NSF-ATE link for more information:

https://www.teachingtechnicians.org/event_details.asp?id=409

Nader Vadiee

Item #2

The STEM faculty from tribal colleges and high schools are invited to apply for participating in the 2nd ASEET Program Workshop on the “Developing Engineering and Engineering Technology Programs for Tribal Colleges”, scheduled for August 4 -15, 2008, organized by **the Southwestern Indian Polytechnic Institute, Albuquerque, New Mexico.**

Please check out the following NSF-ATE link for more information:

https://www.teachingtechnicians.org/event_details.asp?id=409

Nader Vadiee

Item #3

Please include our web address:

www.etc.unt.edu

Thank you
Mike Kozak

Michael R. Kozak
Graduate Program Coordinator
Engineering Technology Department
University of North Texas
PO Box 310679
Denton, Texas 76203
Off: (940) 565-2363
Fax: (940) 565-2666
<kozak@unt.edu>

Item #4

Jerry, here is the blurb for our Engineering
Technology Program, **Texas A&M University-Corpus Christi, Texas**

Best Regards,

Ruby

The graduating seniors proudly presented their capstone projects this May. These design and implementation projects ranged from a Viscometer, Desalination System, Mobile Machine Mover, Water Conditioning and Filtration System, IC Engine Propane Conversion, to Formula SAE project-related contributions, such as FSAE Braking System, FSAE Car Body, FSAE Drivetrain, Design and Fabrication of Electrical and Electronic Systems for the FSAE. Other memorable projects included Remote Controlled Aerial Surveyor, and a NASA-related space door project the students called M.A.D. The ET program is witnessing an increasing complexity and quality in student capstone

projects as confirmed by the program's Industry Advisory Board over the years.

Ruby Mehrubeoglu, Ph.D.
Assistant Professor
Engineering Technology, ST222B
Dept. of Computing Sciences

Texas A&M University - Corpus Christi

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ASEE Southeastern Section

Item #1

Cape Fear Community College, Wilmington, North Carolina

Industry Certification preparation is one of the key objectives in the Computer Engineering Department at Cape Fear Community College, Wilmington, NC, with reported 100% passing rates for those students attempting certification exams.

Thanks,

Susan Booth

ASEE North Central Section

Item #1

Ohio University, Athens Ohio

Now offers a Technical Sales Certificate program for Engineering and Industrial Technology majors. This is the only engineering sales certificate program in the country.

Pete Klein

Item #2

West Virginia State Community and Technical College Institute, West Virginia

The Power Plant Technology Program is offered to campus and online students. With appropriate agreements with local Colleges, students of those Colleges may qualify for in-state tuition, which is currently \$115 per credit hour.

Thanks,

Ron Rogillio
Program Director, Power Plant Technology
Dean, Science and Technology
West Virginia State Community and Technical College
Cole Complex 220B, PO Box 1000, Institute, WV 25112

Phone: (304) 766-5705 Fax (304) 766-4105

Email: rrogilli@mail.wvsctc.edu

Web page: www.wvsctc.edu/

Item #3

Dear Prof. Tapper,

Lawrence Technological University in Southfield, Michigan

has a strong engineering technology program, The College of Engineering has programs both in engineering and technology. Popular technology majors are Engineering Technology, Electrical Technology, Should you have questions, please let me know.

Regards,

D.Shetty,

Dean

Item #4

At **Eastern Michigan University, Ypsilanti Michigan**, the Mechanical Engineering Technology Capstone students designed and developed a Physical Therapy Walker for our veterans at the VA Hospital in Ann Arbor, Michigan

Harvey Lyons, Ph.D., P.E.

Associate Professor

Mechanical Engineering Technology

School of Engineering Technology

ASEE Pacific Southwest Section

Item #1

Hi Jerome,

Is this what you are looking for?

San Diego City College, San Diego, California

-- One of the few community colleges entering the AUVSI contest. --

Fred

Fred Julian

SDCCD

ASEE Pacific Northwest Section

Item #1

Jerry, what a colorful announcement!

The Pacific Northwest Section had its annual meeting last weekend at Eastern Washington University, in concert with WCERTE, the Washington state association that brings together faculty from 4-year and 2-year community colleges. Highlights included reports from student and faculty involved with Engineers without Borders, as well as technical papers. Future planning includes a Zone IV meeting, scheduled for 2010, venue to be

announced later, but probably in Reno or Salt Lake City. We also decided to experiment with having our section meeting during the fall next year, as is very busy.

Marilyn Dyrud, **Oregon Institute of Technology**

Item #2

Hello Jerry,

Western Washington University
Vehicle Research Institute
Bellingham, Washington

We are designing and building a refinery for methane derived from dairy cow waste. We are also building an Automotive X Prize contender, picture below is Viking 40, a ~540kg two passenger roadster.

Thanks,

Eric Leonhardt
Director
Vehicle Research Institute
Engineering Technology Department
Western Washington University
(360)650-7266

Item #3

Not too much since the last time I reported: Tim Brower, currently chair of our Manufacturing/Mechanical Department, won election to the ETC Board, and I was named a fellow and won election to the ETD Board. Woo hoo! We are at **Oregon Institute of Technology, Klamath Falls, Oregon.**

Marilyn Dyrud, **Oregon Institute of Technology**

ASEE Rocky Mountain Section

Hi Jerry,

This is Mingli He from the **Metropolitan State College of Denver**. We have a department of engineering technology studies including three programs, CET, EET, and MET.

The weekend of April 3, 4, and 5, we host ASME SPDC conference on campus. We are still in the process of collecting photos taken during the event.

Thanks,

OTHER INSTITUTIONS (OUTSIDE U.S)

Item #1

Dear Jerry,

We thank you in advance for promoting our E-Learning platform “CompeduHPT”

Here is the “two sentences” description.

The CompEdu E-Learning platform is an inexpensive, low cost gateway to self-study on-line and/or on-campus learning, education and training in **heat and power technology**, both from a technical and economical side. The different chapters in the platform start on a basic, non-engineering level explaining the fundamental nature of the processes or components in the system, and end in some learning objects at a Master or PhD level.

For more information, please visit <http://www.compedu.net>

Intuition and its location

Department of Energy Technology

Royal Institute of Technology (KTH)

SE-100 44 Stockholm, Sweden

<http://www.energy.kth.se>

Best regards

Nalin

Nalin Navarathna

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