

Division Mission Statement Developed

The division faculty and staff have developed the following statement that reflects our mission:

The Industrial and Engineering Technology Division of Monroe County Community College is dedicated to providing high-quality technical programs of study and educational opportunity to students seeking entry-level and/or advanced skills that will enable them to enter the workforce directly or to continue their education at a four-year university.

This statement is a working document that reflects our role in the college structure and our dedication to our students.

John Schneeg Leaves MCCC

Assistant Professor John Schneeg resigned his position as lead faculty in the mechanical engineering technology program effective Spring 2006.

John spearheaded many changes in the mechanical engineering technology program and is well respected by his peers and students. His area of expertise includes CAD, traditional mechanical engineering technology program courses and automation. John will be moving west to warmer areas of the country with his family, and we hope he will send some warmth our way! All the best John and thanks for all you did for MCCC to make it a better place for the students! John's MCCC colleagues honored him at a reception held on campus on May 8.



John Schneeg (right) with student.

New Dean Joins the ITD Team

Parmeshwar (Peter) Coomar joined the division as dean in January of 2006.

Peter previously was an assistant professor in the Applied Engineering and Technology Department at California University of Pennsylvania. Prior to that, he taught for 13 years in the Wisconsin Technical College System's associate's degree program in Industrial Engineering/Manufacturing and Quality. He has a bachelor's degree in production engineering and a master's degree in industrial technology and in industrial engineering from the University of Wisconsin, Platteville and Milwaukee, respectively. Contact Peter at pcoomar@monroeccc.edu.

Facilities Planning in Forefront for the Industrial Technology Division

The MCCC Foundation held a workshop on Saturday, March 4, 2006 to help define its goals for the future. Results of a survey were reviewed and narrowed to areas which received the most focus.

One of the core areas identified by the survey results is a need for facilities in the technology area to keep pace with fast-changing technology environment areas in the state. The Industrial Technology Division is in the process of identifying program needs for space and equipment and putting together a facility layout draft which can be used for work with an architect. Funding sources are also being explored.

Facility and Plant Tours Introduce New Ideas and Technology

The division faculty toured the Global Engine Manufacturing Alliance plant in Dundee, Michigan, on March 30, 2006. The tour started with a customized presentation about the brief history of the plant and its working philosophy. The GEMA plant is currently producing four-cylinder engines for the Chrysler, Mitsubishi and Hyundai motor manufacturing companies. It is an \$880 million investment in the county and is poised to be the county's largest employer in the next few years. Strong partnership possibilities exist between the Industrial Technology Division and GEMA in the future.

Some faculty in the tech division also toured Lansing Community College as part of the benchmark tours to plan future Tech facilities at MCCC. On May 9, our faculty visited the Technology Division of Sinclair Community College in Ohio and participated in customized presentations in the areas of construction management, electronics, CAD and manufacturing.

Division Name Change Being Considered

The faculty has discussed changing the name of the division to the Industrial and Engineering Technology Division to be more inclusive of what we do and to facilitate articulation of program-specific courses to four-year institutions.

It is likely this will help us market our programs better... (continued on next page)

with the state-wide push on math, science and engineering technology. Similarly named programs in the state community college system were also reviewed. There was a consensus agreement on the renaming by the division. Dean Coomar will present this to college leadership for further discussion and approval.

ABET Presentation Held

Steve Wendell from Sinclair Community College visited MCCC to discuss accreditation possibilities for our technology programs on March 28, 2006. Steve is an ABET (Accreditation Board for Engineering Technology) commissioner for engineering technology programs. Accreditation is an effort to get technology programs rated by a third party comprised of peers from outside educational institutions.

Andy Burke Reaches 25 years

Andy Burke, associate professor of welding technology, has completed 25 years of service to the college. Andy has been nominated for the MCCC Teacher of the Year award several times and received the Trends Outstanding Occupational Faculty Member state award in 2000. Andy has provided outstanding leadership to our welding program over the many years he has been the lead faculty in the area. Congratulations Andy and many more years to come!

State Perkins Audit Held

Monroe County Community College underwent a successful Perkins Compliance Review/Technical Assistance visit on April 13, 2006. The Carl D. Perkins federal grant is one of the main funding sources for occupational programs ranging from business and health to industrial technologies. The Industrial Technology Division at MCCC continues to have the largest concentrations of state-approved occupational programs eligible for funding by Perkins dollars.

Advisory Committee Members Recognized

Dean Coomar and the faculty wish to recognize the members of the respective program Advisory Committees and their valuable contribution to program planning and support for much needed facilities for the Industrial Technology Division. An appreciation breakfast was held in their honor on Wednesday, May 10, 2006.

Tom Harrill Attends State Electronics Conference

Tom Harrill, assistant professor of electronics and computer technology, joined electronics instructors from all around the state of Michigan in Grand Rapids on April 7 to discuss new strategies of teaching and to explore what is new in the field of electronics.

The day was divided into six activities. The first dealt with a discussion of what students are doing once they get into the workforce.

Other activities included vendor demonstrations of various products. One of the vendors, ATS, will give an HTI+ (Home Technology Integration) presentation at MCCC May 17.

The final activity for the day was the Employer Panel Discussion. Several companies were represented. One of the key things learned in this discussion is that many electronics jobs are available but too few people are qualified to obtain them. Two of the employers indicated that they



Tom Harrill

would pay as high as \$40,000 a year to start as an electronics technician. Besides the obvious electronics knowledge, skills such as public speaking, usage of Excel to create spreadsheets, good attendance habits, and a "passion for what they do" is highly desired from electronics technicians.

It is the intention of the IT Division to take this information and these messages to heart and continue to provide an outstanding electronics programs with a focus on continuous improvement, quality and rigor. For more information contact tharrill@monroeccc.edu.

Faculty Positions Available

Retirement/resignations in the division have made two positions available in the areas of materials/manufacturing technology and mechanical engineering technology. Please call Peter Coomar, dean of industrial technology, at 734-384-4209 or e-mail him at pcoomar@monroeccc.edu for more information.

Division Represented with Outstanding Faculty Nominations

Dean Kerste was again nominated for the MCCC Outstanding Faculty Award and Tom Harrill, our new full-time faculty member in the electronics/electricity area, was nominated for this award in the first year of his teaching at MCCC. Congratulations to both on this recognition by students and staff.

Grants Presentation Organized

Jim Houdeshell, a faculty member at Sinclair Community College, presented information on grant opportunities available from the National Science Foundation (NSF), Department of Education (DOE), Department of Labor (DOL) and other organizations on May 12, 2006 on the MCCC campus. The IT Division has taken the lead to organize this effort with the MCCC grants office. If you are interested in being notified of any future presentations on this topic, please contact Beth Kohler at bkohler@monroeccc.edu.

Taste of Tech 2006

The extremely successful Taste of Tech Program, which is sponsored by the Industrial Technology Division each fall semester, will be held again in 2006 on Thursday, November 9, from 4 to 8 p.m. The end time is an hour later than past events to allow more parents and students to move through the program presentations. In 2005, 214 prospective students and parents toured the technology facilities and participated in presentations by all division faculty. The event is geared toward county juniors and seniors, but everyone is invited to participate in this informative evening.



Welding students giving a presentation at the Taste of Tech 2005 Program.

On-Line Course Development

Bob Leonard, instructor of manufacturing technology, attended the Working Connections Conference in Grand Rapids, Michigan on February 3, 2006. The conference was devoted to developing guidelines and story boarding ideas for incorporating learning objects in online courses. Bob plans to use the technology to offer CNC courses online for the Global Engine Manufacturing Alliance (GEMA) and other businesses in the community. This will be a novel way of offering traditional, shop-oriented classes through distance learning technology.



Bob Leonard, instructor of manufacturing technology

DACUM (Developing a Curriculum) Event Held for Manufacturing Technology Program

The manufacturing technology program underwent its first-ever Occupational Competency Determination event in early May. The method used is known as DACUM, which stands for "Developing a Curriculum."

At the meeting, business and industry representatives from the community with expertise in manufacturing gathered to determine relevant duties and tasks that an individual would perform after graduating from MCCC's manufacturing technology program. A trained facilitator conducted the day-long focus group discussion. The changing nature of manufacturing in today's business world provides a significant challenge in determining what truly will be the tasks of a graduate from the manufacturing technology program. The DACUM event was a key step in determining these tasks.

Organizations represented at MCCC's DACUM event were: Global Engine Manufacturing Alliance, Dundee; Guardian Industries, Trenton; Dana Corporation, Toledo; Ort Tool and Die, Temperance; Superior Roll and Turning, Petersburg; Wild Dimensions Engineering Services, Taylor; General Motors - Toledo Powertrain, Toledo; Metalloy Corporation, Hudson, and the Society of Manufacturing Engineers

Information collected through the DACUM process will eventually be used to strengthen and modify the curriculum in the manufacturing technology program at Monroe County Community College. Please contact Bob Leonard at bleonard@monroeccc.edu for more details.

Questions about this publication should be directed to Chris Sims, IT Division administrative assistant:
E-mail: csims@monroeccc.edu
Phone: 734-384-4112

Calling All Industrial Technology Division Alumni

We are currently compiling a list of division alumni. Please forward an e-mail with your name, and year of graduation and program to Chris Sims, at csims@monroeccc.edu. You can also call her at 734-384-4112.

2006 Outlook Luncheon

The economic outlook of the greater Ann Arbor area was the topic of the 2006 Outlook Luncheon on March 7, 2006.

The event was sponsored by the *Ann Arbor News*. Dr. David E. Cole, chairman of the Center for Automotive Research, and George A. Fulton, an economist with the University of Michigan, were the featured speakers. The presentations focused on trends in the auto sector and their impact on our local economy. Attending the luncheon from the division were Peter Coomar, Tom Harrill, Alex Babyecz and Bob Leonard.

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