**Dubois Joins IT Division Faculty**

Martin Dubois of Monroe has joined the faculty at Monroe County Community College as an assistant professor of mechanical engineering technology.

He began teaching full time at MCCC this Fall Semester.

A licensed professional engineer, Dubois has more than 25 years of experience in engineering positions involving system development, machine control and design, manufacturing and testing. Since 1998, he has been self-employed as an engineering consultant specializing in industrial electrical system design, debugging and system-startup for various automotive and industrial customers.

He most recently was an adjunct instructor in MCCC’s Industrial Technology Division. He has also taught courses in electronics and circuit theory at Oakland University.

He holds bachelor of science degrees in mechanical engineering and electrical engineering from Michigan State University and a master of science degree in electrical engineering from the University of Louisville. Dubois has also completed significant course work in the systems engineering doctoral program at Oakland University.

---

**Apprenticeship Training**

Both small and large companies in and around Monroe County continue to take advantage of the quality courses offered through the Industrial Technology Division to train their apprentices. Big Three-related plants such as GM Powertrain, Ford Woodhaven, Auto Alliance, Ford Rouge, Toledo Machining, GM Hamtramck and the Monroe and Milan Visteon plants all use MCCC offerings to meet their training needs. A few have selected MCCC as their exclusive training site. Guardian Industries, Benesh Corporation, Pinnacle Engineering, Michigan Tube Swagers, PetTel Tool & Die and Pump Engineering are among other area companies using MCCC to train their employees. Companies wishing to obtain information on ITD courses are encouraged to contact the IT Division office at (734) 384-4112 or write to bleonhardt@monroeccc.edu.

---

**Great Lakes Advanced Productivity Exposition**

Society of Manufacturing Engineers member Bob Leonard, instructor of manufacturing technology, and Tom Harrill, assistant professor of electronics and computer technology, took nine students to the Great Lakes Advanced Productivity Exposition in Grand Rapids, MI in October of 2007.

The exposition was sponsored by the SME.

This show was designed to showcase the latest trends and equipment in manufacturing technologies/automation to prospective industrial customers. Students got a chance to see real-world applications of the subject matter they are studying in the classroom. They also had a chance to see the capabilities of the latest computer numerical controlled machine tools controlled by advanced electronics. A variety of vendors at the show provided the students with an opportunity to inquire about future employment opportunities in the manufacturing/automation area. The field trip was funded by an Enhancement Grant from The Foundation at MCCC.

---

**Taste of Tech Scholarship Sponsored by Midway Products Inc.**

The 2007 Taste of Tech Scholarship was sponsored by Midway Products Inc. The $500 scholarship is to be distributed to an eligible candidate who attended the TOT event in November, visited all the tech program areas and met other specified criteria as established for the scholarship. Scholarship recipients will be notified by mail before the start of the Fall 2008 semester. The scholarship money can be used toward payment of tuition, books and supplies for students pursuing a degree in an Industrial Technology Division program.

---

**Trends in Occupational Studies Conference Attended by ITD Faculty**

Faculty members Martin Dubois and Roop Chandel attended the Trends in Occupational Studies conference on October 25 and 26 at the Amway Grand Plaza Hotel in Grand Rapids. The conference provided roundtable discussions of topics related to teaching/learning at the community college level. The discussions provided insight into how to create a learning environment that will keep students involved and interested. The conference also offered the opportunity to network with faculty members from other community colleges, vendors and publishers of textbooks for use in the classroom.
Chris Sims Moves to Information Systems Department
Long-time ITD administrative assistant, Chris Sims, has moved to another position on the MCCC campus. She is now the administrative assistant in the Information Systems Department.

“The opportunity for the change and new challenges was intriguing,” Sims said. “While I am really enjoying my new position and coworkers, I truly miss many things from the IT division - especially working with the apprentices. It was a very difficult decision.”

Chris Sims has been employed by the college for 35 years, eight in the Office of the Registrar and 27 in the Industrial Technology Division. We wish Chris all the best in her new assignment.

New Program Offering in Nuclear Engineering Technology (NUET)
MCCC was awarded a $35,500 grant from the DTE Energy Foundation to fund the purchase of video over IP equipment necessary to offer a nuclear engineering technology program through a partnership between Monroe County Community College and Lakeland Community College. Video over IP allows people in two different locations to see and hear each other as if they are participating in a face-to-face conversation. The program begins Winter Semester 2008. For more information contact Mark Hall, director of admissions, at mhall@monroeccc.edu or Peter Coomar, dean of the Industrial Technology Division, at pcoomar@monroeccc.edu.

Articulation and Curriculum Updates
The Industrial Technology Division is in the process of renewing articulation agreements with Eastern Michigan University leading to bachelor of science degree in technology management, applied technology and construction management (program-specific). Future program-specific articulation agreements are expected in the areas of electronics and computer technology and mechanical design technology leading to bachelor’s degrees in electronics engineering technology and mechanical drafting and design at Eastern Michigan University.

Electronics and computer technology labs on campus are expected to undergo major renovations with an infusion of new equipment and software updates. Course offerings in CAD in the areas of CATIA, ProE, AutoCAD and SolidWorks continue to be offered to meet industry needs. In the near future, curriculum modification is expected in the areas of mechanical engineering technology and materials technology.

Construction Management Faculty and Students Build Partnerships with the Community
During the past year, Alex Babycz, assistant professor of construction management technology, and his students worked on projects locally and overseas. Some of the highlights are as follows:

During the summer break of 2007, Babycz and Brian Lay, MCCC manager of information systems, traveled to Fondwa, Haiti as part of a project team organized by the River Raisin Institute. The team traveled to Haiti to design and install a photovoltaic electrical system and computer lab at the University of Fondwa. The school is located in a rural mountainous area without electricity or other services. The project team met with local residents and school faculty to assess the location and identify needs. The information was then brought back to MCCC for design and selection of components. The equipment is scheduled to arrive at MCCC in December and all components will be assembled and tested by faculty and student volunteers before being shipped to Haiti. The team will then return to Fondwa in March 2008 to install the system.

Locally, student and staff volunteers partnered with the United Way and AFL-CIO Project Ramp to construct a wheelchair ramp for a family in Bedford Township. Students in the materials of construction class prefabricated parts of the ramp at the college. Babycz and Dean Kerste, assistant professor of mechanical design technology, along with a group of student volunteers installed the ramp.

New Administrative Assistant in IT Division
Becky Leonhardt joined MCCC as the administrative assistant to Peter Coomar and the Division starting September of 2007. Becky comes to the college with experience working as assistant to the vice president of manufacturing and supply chain at the La-Z-Boy facility in Monroe prior to that, she was employed with Ready, Sullivan and Ready, LLP law firm in Monroe. She has a bachelor’s degree in multidisciplinary studies from Siena Heights University and is a graduate of Monroe County Community College and the University of Toledo. She will be the main point of contact for apprentice programming in the Division.
Women in Technology Seminars Held

Two “Women in Technology” Seminars were held during Taste of Tech to answer questions and offer insight to women who are considering non-traditional career paths in industrial technology careers.

The following topics were covered during the seminars:

- Career testing and counseling
- Academic and short-term counseling
- Training for wage negotiation
- Resume and cover letter writing
- Portfolio development
- Mock interviews
- Tutoring, Writing Fellows and supplemental instruction
- Accommodations for students with disabilities
- Faculty advising and networking
- Financial Aid: scholarships and grants, work study and student loans
- Job shadowing and encouragement

The seminars were coordinated by Dr. Cindy Riedel, coordinator of Special Populations; Stacy Jenkins, Special Populations coordinator; and Dr. Marilyn Daniels, special populations coordinator.

Formula SAE

Don Kehrer, assistant professor of automotive engineering technology, continues to work with students to prepare a race car for participation in the International SAE Formula One Competition to be in May 2008. MCCC continues to be one of the few community colleges worldwide to be represented at this prestigious event.

The Formula SAE Competition is sponsored by the Society of Automotive Engineers (SAE) to challenge SAE student members to conceive, design, fabricate and compete with small formula-style racing cars. The restrictions on the car frame and engine are limited so that the knowledge, creativity, and imagination of the students are challenged. The cars are built over a period of about one year and are taken to the annual competition for judging and comparison with approximately 120 other vehicles from colleges and universities throughout the world.

Please contact Don at 734-384-4117 for more information on joining the SAE project at MCCC.

---

### Industrial Technology Division Contacts:

- **Dean**
  
  Parmeshwar (Peter) Coomar
  
  peoomar@monroecc.edu
  
  734-384-3409

- **Automotive Engineering**
  
  Don Kehrer
  
  dkehrer@monroecc.edu
  
  734-384-4117

- **Construction Management**
  
  Alex Babycz
  
  ababycz@monroecc.edu
  
  734-384-4116

- **Electronics/Electricity**
  
  Tom Harrill
  
  tharrill@monroecc.edu
  
  734-384-4115

- **Manufacturing**
  
  Bob Leonard
  
  bleonard@monroecc.edu
  
  734-384-4114

- **Mechanical Design**
  
  Dean Kerste
  
  dkerste@monroecc.edu
  
  734-384-4121

- **Mechanical Engineering**
  
  Martin Dubois
  
  mdubois@monroecc.edu
  
  734-384-4120

- **Quality Systems & Metrology**
  
  Peter Coomar
  
  peoomar@monroecc.edu
  
  734-384-4209

- **Welding & Materials Technology**
  
  Andy Burke
  
  aburke@monroecc.edu
  
  734-384-4118

  Roop Chandel
  
  rchandel@monroecc.edu
  
  734-384-4165

- **Apprentice Programing**
  
  Becky Leonhardt
  
  bleonhardt@monroecc.edu
  
  734-384-4112

---

### Spring 2008 IT Division Course Offering

<table>
<thead>
<tr>
<th>Automotive Digital Electronics</th>
<th>Intro to Parametric CAD/ProE</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO-201-01</td>
<td>METC-172-01</td>
</tr>
<tr>
<td>May 12 - June 19</td>
<td>May 12 - July 2</td>
</tr>
<tr>
<td>MTUTH</td>
<td>MTUWTH</td>
</tr>
<tr>
<td>5:30 - 9:00 p.m.</td>
<td>6:00 - 9:00 p.m.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Surveying</th>
<th>Intro to Welding Processes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONM-107-01</td>
<td>WELD-100-01</td>
</tr>
<tr>
<td>May 12 - June 19</td>
<td>May 12 - July 3</td>
</tr>
<tr>
<td>TUWTH</td>
<td>TUWTH</td>
</tr>
<tr>
<td>6:30 - 9:30 p.m.</td>
<td>1:15 - 5:00 p.m.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fundamentals of Electricity</th>
<th>Basic Pipe fitting</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELEC-125-01</td>
<td>WELD-216-01</td>
</tr>
<tr>
<td>May 12 - July 2</td>
<td>May 12 - July 3</td>
</tr>
<tr>
<td>MW</td>
<td>TUWTH</td>
</tr>
<tr>
<td>1:30 - 5:30 p.m.</td>
<td>8:15 a.m. - 12:00 p.m.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Intro to CAD/CM</th>
<th>Basic Pipe fitting</th>
</tr>
</thead>
<tbody>
<tr>
<td>MECH-201-01</td>
<td>WELD-216-02</td>
</tr>
<tr>
<td>May 12 - June 18</td>
<td>May 12 - July 3</td>
</tr>
<tr>
<td>MTUW</td>
<td>TUWTH</td>
</tr>
<tr>
<td>4:30 - 8:00 p.m.</td>
<td>6:15 - 10:00 p.m.</td>
</tr>
</tbody>
</table>

---

Questions about this publication? Contact Becky Leonhardt, Industrial Technology Division • bleonhardt@monroecc.edu • 734-384-4112