New Materials Technology Professor Hired

After a long search process, Dr. Roop Chandel has been hired by Monroe County Community College as professor of materials technology in the Industrial Technology Division.

Chandel holds a doctorate in industrial metallurgy from the University of Birmingham, U.K. and a bachelor’s degree in metallurgical engineering from Nagpur University, India. He is a past recipient of the Andrew Carnegie Fellowship and received the Teacher of the Year award in 1999 and 2003 while serving as an associate professor at Nanyang Technical University in Singapore. Chandel served as a scientist with the Canadian National Labs (CANMET), in Ottawa, Canada before joining Ador Welding Limited in Mumbai, India as a technical advisor. He has over 100 published papers in the area of welding, metallurgy and materials science in referred journals and conference proceedings.

Current openings in the IT Division are the instructor of mechanical engineering technology (posted at http://www.monroeccc.edu/jobs/MechEng-Revised-121106.pdf) and a position in electronics and electrical technology to be posted soon. Please contact Dean Parmeshwar (Peter) Coomar at pcoomar@monroeccc.edu for more information.

Harrill Presents Roundtable Workshop at Trends Conference

During Fall Semester, Tom Harrill, assistant professor of electronics and computer technology, traveled to Grand Rapids to present a roundtable discussion forum for electronics instructors at Trends, a conference in occupational studies for community colleges in the state. The roundtable forum provided an opportunity for instructors statewide to share best practices in topics such as accreditation, the reduction of hazardous substances (RoHS) in electronics, surface mount soldering, equipment issues and current practices in Electronics education.

College Represented at Job Fairs and Recruitment Events

Throughout Fall Semester, Chris Sims, administrative assistant to the Dean of the Industrial Technology Division, represented the division and MCCC at job and opportunity fairs at various auto plants in the area. Sims covered events at Ford Rawsonville, Visteon Milan, Visteon Monroe and Ford Woodhaven. In addition, staff from MCCC’s Admissions and Guidance Office covered events at other plants during this time period. A number of the fairs were held to offer information on educational opportunities to employees who were taking advantage of buyouts being offered by Ford and General Motors.

IT Division Graduate Spotlight: Lisa Langton

Lisa Langton, a recent graduate of the electronics program at MCCC, recently obtained an electronics position at Crescent Electric Supply Company in Perrysburg, Ohio and is enrolled at Siena Heights University at MCCC, where she is pursuing her bachelor’s degree in applied science.

“She possesses exceptionally high levels of academic ability, motivation and potential for contributions to the field of electronics,” said Tom Harrill, assistant professor of electronics and computer technology. “She has an authentic love of the field of electronics and enjoys it even as a hobby. Lisa earned high grades in all the courses that she took, maintaining a 3.98 grade point average and graduating Summa Cum Laude, which is no small accomplishment, since the science of electronics can be extremely rigorous.”

Lisa is the wife of Bruce Langton and the mother of five children.

New Technology Facility Concept Moves Forward

The end of the state’s legislative period this past year provided an opportunity for MCCC to present its case to legislators for a new technology facility for the Industrial Technology Division. The proposal would relocate existing programs in automotive engineering technology, construction management technology, electronics and computer technology, industrial electricity/electronics technology, manufacturing technology, mechanical design technology, mechanical engineering technology, metrology technology, quality systems technology and welding technology.

The new facility would also provide new program opportunities. The current facilities – built in the late 1960s – have outgrown their usefulness and provide major obstacles to growth for existing programs.

Some of the benchmarks used in presenting budget estimates and facility size were Lansing Community College’s MTEC Center, a 260,000 square-foot facility; Focus Hope in Detroit, a more than 300,000 square-foot main facility, and several smaller facilities statewide (100,000 square feet or less), as well as technology facilities at Owens Community College in Toledo and Sinclair Community College in Lima.
College Community College in Dayton, Ohio.

We are looking forward to providing more news in our next newsletter as this concept moves forward.

**Online Courses Offered**

The Industrial Technology Division is offering more classes online in support of employer and student need. The current courses offered online include two quality systems technology courses (QSTC 115, Statistical Process Control and QSTC 230, Documentation and Audit Preparation) and one mechanical drafting and design technology course (MDTC 109, Mechanical Blueprint Reading). Other areas being considered for online course offerings include manufacturing technology, materials technology and mechanical engineering technology. Student responses to technology courses being offered online have been very encouraging.

**WIDS Training Offered to MCCC Faculty**

Industrial Technology Division faculty at Monroe County Community College attended a Worldwide Instructional Design System (WIDS) workshop during Fall Semester of 2006. WIDS provides an opportunity to create course-related documentation and develop a comprehensive assessment strategy for programs.

During the workshop, faculty identified course competencies, documented learning outcomes for a course of their choice and created a syllabus using the new WIDS format.

An additional WIDS training session was held on January 9 for faculty that could not attend the Fall Semester workshop.

**IT Division Helps Train Apprentices**

Small and large companies in and near Monroe County are taking advantage of the quality courses offered through the Industrial Technology Division to train their apprentices. Big Three plants such as GM Powertrain, Ford Woodhaven, Auto Alliance, Ford Rouge, Toledo Machining, GM Hamtramck and the Monroe and Milan Visteon plants all utilize MCCC for their training. A few have even selected MCCC as their exclusive training site.

Guardian Industries, Benesh Corporation, Pinnacle Engineering, Michigan Tube Swagers, PenTel Tool & Die and Pump Engineering are also using MCCC to train their employees.

**MCCC Faculty and Administrators Tour Focus Hope Facilities**

In December, Tom Harrill, assistant professor of electronics and computer technology, Bob Leonard, instructor of manufacturing technology, Peter Coomar, dean of industrial technology, and Vinnie Maltese, dean of science and mathematics, toured the Focus Hope facilities located in Detroit.

At Focus Hope, manufacturing and computer-related training opportunities are made available to underprivileged individuals from the area. The Big Three auto makers have been champions of Focus Hope since its inception in the 1960s. The Focus Hope complex covers three city blocks and boasts of a facility of over 300,000 square feet.

Graduates of Focus Hope’s programs are highly sought after by auto makers and other manufacturing and computer-related industries in Michigan.

The tour was organized by the management of the Global Engine Manufacturing Alliance plant in Dundee.

Other tours during Fall Semester included:

- Andy Burke, associate professor of welding technology, and Coomar toured the Midway Products facility in Monroe. Burke participated in a presentation entitled “Welding Materials” at the same facility on a later date.
- Leonard and Coomar toured the Tailor Welded Blanks (TWB) facility in Monroe at the invitation on TWB management.

Any companies wishing to obtain information on courses offered by the Industrial Technology Division are encouraged to contact Chris Sims in the division office at (734) 384-4112.

**ITD Division Holiday Luncheon**

Emeriti and current Industrial Technology Division full-time and adjunct faculty and staff enjoyed a holiday pot-luck luncheon on Tuesday, December 12. A pleasant addition to the event was attendance by division retirees Howard Johnson and Ron Brink, as well as Howard’s wife Joan. Attendees had a great time catching up and sharing stories. We hope to make the luncheon an annual event.

**Articulation and Partnership with Community Colleges**

The Industrial Technology Division has begun initial dialogue with Lawrence Technological University (LTU) to articulate MCCC’s engineering technology programs with LTU’s bachelor’s degree in engineering technology.

Faculty from LTU and MCCC met for a first round of discussions and a second meeting is scheduled for this month. Details will be made available on the division Web site as more information becomes available.

Existing MCCC articulation agreements include:

- The construction management technology program at MCCC and the construction management bachelor’s degree program at Eastern Michigan University
- The mechanical design technology program at MCCC and the vehicle design bachelor’s degree program at Central Michigan University (pending)

The Industrial Technology Division is also in dialogue with Lakeland College in Ohio to partner in offering a Nuclear Engineering Technology (NUET) program via two way interactive video or similar technology. A student aspiring to complete an associate’s degree in NUET would take the required math and science courses and several electronics courses from MCCC. The rest of the courses would be offered via distance learning technology for program completion from the Lakeland campus in Ohio.

DTE Energy is interested in partnering with MCCC to make this happen and has offered to fund the technology that may

(Continued on page 3)
Don Kehler (far right) poses with members of the MCCC Formula SAE team.

**Formula SAE Car Being Built**

Don Kehler, assistant professor of automotive engineering technology, and his students continue to build the college’s Formula SAE Car. MCCC is one of a handful of community colleges in the world that place a car in the Formula SAE competition. Institutions such as Cornell University, University of Michigan, and Syracuse University are some of the more formidable competitors in the event. For more information, or to donate time and/or funds to the effort, please contact dkehrer@monroecc.edu.

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**2006/2007 ITD Advisory Committee Members**

**Automotive Engineering Technology**
- Carl Pomer - Ford Motor Company
- Jeffrey Carter - Roux Industries Inc.
- James Mommencery - Ford Motor Company
- Ryan Stacy - Tenneco Automotive
- Kathy Watson - ACH-LLC
- Martin Nedeau - Eaton Corporation

**Construction Management Technology**
- D. Gary Benore - Ashley Capitol
- Barry Buschmann - Mannick Smith Group
- Ed Brighten - Jefferson High School
- Pete Loughney - IMC
- Mike Bartolo - Walter Frazier
- Mike Palmer - Gratton Construction
- George O’Dell - John Kohler Architects
- Kevin Weinau - G.B. Warna & Associates
- Tony Ellison - MCCC

**Electronic & Computer Technology / Industrial Electricity / Electronics Technology**
- Deb Carper - MCCC and Owens CC
- Roger Goetz - Lear Corporation
- AndrewJones - MCCC
- Steve LaDuke - MCCC
- Lisa Langton - MCCC
- Rick Rauch - MacSteel
- Marty Selnek - ITW Automotive Finishing
- Dave Smith - DTE Energy
- Darrick Whitaler - DTE Energy
- Robert Young - AFL Automotive

**Manufacturing Technology**
- Jim Anderson - Ort Tool & Die
- Mike Bourg - Tecumseh Products
- Chip Cooper - HAAS
- Carolyn Dembowski - Ford Woodhaven Stamping
- Steve Kulakowski - Altair Engineering
- Dave Mozing - Mozing Machine
- David Moslow - Trenton Forging
- Laura Rye - Guardian Industries
- Roger Swanson - TWB Company LLC
- Ted Szennborn - Auto Alliance
- Bruce Vanisacker - Dana Corporation
- David Wild - Wild Dimensions Engineering Services
- Stacy Young - GEMA

**Mechanical Design Technology**
- Tom Fosselman - ACH-LLC
- Dean Johnson - DTE Energy
- Roger Kraehnke - Detroit Stoker
- Bryan Rose - MCCC
- Randy Schott - Midway Products
- Michael Sype - Tenneco Automotive

**Quality/Metrology**
- Gene Bialy - Diamond Electric
- Tom Dailey - Tailor Welded Blanks
- Todd Dionne - Lear Corporation
- Mark Durivage - Owens Community College
- Tom Minor - Spartan Steel
- Sterling Pepper - Guardian Industries
- Tim Pinney - Ort Tool & Die
- Suresh Rama - GEMA
- Delaine Schindelbeck - Trenton Forging
- Norman Stuart - Maher Gages
- Roger Yarnbasky - Midway Products

**Welding Technology**
- John DelHoust - Baker's Gas
- Paul Doherty - MCCC
- Michael Emerick - ESAB
- Dan Fлемmeng - Miller Electric
- Randy Frager - Baker's Gas
- Mosaic Holt - MCCC
- Joel Huffman - Elpasso Pipeline Group
- Cecil Lewis - Midway Products
- John Ludwig - Lincoln Electric
- John Minor - Wilson Welding
- Roy Rayner - Ford Motor Company
- Jesse Trapani - Midway Products
- Glen Zorn - Monroe High School

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

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**Return of Taste of Tech**

Taste of Technology is back by popular demand and is scheduled to be held at the end of March 2007. Please check out the following link for more information on the exact date, time and other details: http://www.monroecc.edu/tasteoftech/.

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