

Centers for Research and Contract Work

The College of Science and Technology maintains numerous specialized or interdisciplinary research facilities. Just a few of these are described here.

Microscopy Facility

Located in the Department of Biology, the Microscopy Facility is equipped for light, scanning, and transmission electron microscopy, including specimen preparation. Capabilities include viewing details of samples using light and electron microscopes, and analyzing samples for elemental content. The facility conducts research, teaching, and consulting outside CMU.

Microscopy Facility

Philip Oshel, Supervisor

E-mail: philip.oshel@cmich.edu

Phone: (989) 774-3576

Fax: (989) 774-3462

Mailing address:

Department of Biology
Central Michigan University
024C Brooks Hall
Mount Pleasant, MI 48859

Center for Geographic Information Science (CGISc)

The Geographic Information Science Center (CGISc) was established in 1994 to facilitate and handle the rapidly increasing amounts of spatially referenced data for central and northern Michigan.

The GIS Center, housed in the Department of Geography, is well equipped with hardware and software, enabling it to engage in many research projects evolving from grants, contracts, and various other sources. Database engines include both ORACLE and ACCESS. The Center acts as a repository for government data sets.

U.S. Bureau of the Census TIGER line files, Digital Raster Graphics (DRG) data, LandView III maps of selected EPA regulated sites, and NIMA digital maps are available for use by researchers and students.

Center for Geographic Information Science

Dr. Bin Li, Director

E-mail: bin.li@cmich.edu

Phone: (989) 774-7597

Fax: (989) 774-2907

Mailing address:

Center for GISc
Central Michigan University
275 Dow Science Complex
Mount Pleasant, MI 48859

Michigan Geographic Alliance (MGA)

The Michigan Geographic Alliance (MGA) is a network of teachers and geographers who are committed to using geographic content and skills to improve the educational experiences of Michigan K-12 students.

MGA is one of the nation's largest and most active state geographic alliances. It provides high-quality, low-cost in-service workshops for teachers and leadership in developing curriculum based on Michigan's Social Studies Content Expectations.

Michigan Geographic Alliance

Teresa Judge

E-mail: judge1ta@cmich.edu

Phone: (989) 774-3723

Fax: (989) 774-2907

Mailing address:

Michigan Geographic Alliance
Central Michigan University
291 Dow Science Complex
Mount Pleasant, MI 48859

Michigan Water Research Center (MWRC)

The Michigan Water Research Center (MWRC) is a collaboration of research laboratories dedicated to promoting excellent water quality in the state of Michigan through research, education, and service. Services include water assessment and analysis for homes, businesses and the community.

Michigan Water Research Center

Scott McNaught, Director

E-mail: scott.mcnaught@cmich.edu

Phone: (989) 774-1184

Mailing address:

Michigan Water Research Center
Central Michigan University
167 Brooks Hall
Mount Pleasant, MI 48859

Polymeric Materials Science and Technology Institute

The Polymeric Materials Science and Technology Institute serves as a base for interdisciplinary (chemistry, physics, applied mathematics, industrial engineering and technology) program in polymer science.

The Institute maintains research dedicated to the enhancement of polymer science applications in areas crucial to the economic development of the state and region; fosters cooperative academic/industrial efforts in polymer science, both in training and research; provides graduate training in polymer science; and responds to the needs of local industry for consulting services.

Areas of prominent research activity include: water-soluble polymers, polymer-supported

organoplatinum antitumor agents, degradation/stabilization of vinylidene chloride copolymers, stabilization of PVC, permeation of flavor and aroma molecules in barrier plastic packaging, polymer synthesis (aryl ether ketones, dendrimers, aryl sulfones, aryl phosphines oxides, etc.), polymer characterization, controlled-release technology, polymer rheology, polymer processing, mathematical modeling of polymer dynamics and polymer flow properties, and the recycling of industrial plastics.

Polymeric Materials Science and Technology Institute

Bob A. Howell

Phone: (989) 774-3582
or (989) 774-3981

Mailing address:

Polymeric Materials Science and Technology
Institute
Central Michigan University
263 Dow Science Complex
Mount Pleasant, MI 48859

X-ray Crystallography Center

Crystallography is an interdisciplinary science bringing together physics, chemistry, biochemistry, geology, and material science in general, mathematics, and computer science. It can provide information about the content of investigated material, its structure, quality, and quantity, with details such as 3-D architecture of the molecules at the atomic level. X-ray analysis of single crystals can provide structural information about molecules of all calibers from few atoms to thousands of atoms.

The X-ray Crystallography Center provides single crystal X-ray diffraction data and structured analyses to CMU researchers as well as industry.

X-ray Crystallography Center

Philip J. Squattrito

Phone: (989) 774-4407

Mailing address:

X-ray Crystallography Center
Central Michigan University
242 Dow Science Complex
Mount Pleasant, MI 48859

Software Engineering and Information Technology Institute (SEITI)

The Software Engineering and Information Technology Institute (SEITI) is an international cooperative research and development organization involving partnerships between Central Michigan University and industrial, academic, and governmental organizations involved in the information technology field.

Research is focused on the field of software engineering and information technology.

SEITI provides guidance, expertise, technical services, and excellent computing facilities to

researchers. To facilitate the timely flow of current research developments into the market, the Institute helps connect industry needs to appropriate researchers, sponsors conferences and workshops, and offers short courses and tutorials.

Software Engineering and Technology Institute (SEITI)

Dr. Roger Y. Lee, Director

E-mail: acis@acisinternation.org

(Be sure to include "SEITI" in the subject line of your message.)

Phone: (989) 774-3811

Fax: (989) 774-1174

Mailing address:

Software Engineering and
Technology Institute
Central Michigan University
112 Pearce Hall
Mount Pleasant, MI 48859