Michigan has an abundance of extraordinary natural resources. In addition to the state’s water resources, fertile soils for agriculture, expansive forest and timberlands, and large reserves of oil and gas, Michigan has many economically important mineral deposits, including gold, silver, copper, titanium, zinc, iron ore, salt and coal, that exist in this Great Lakes basin. The process for mining these minerals is intricate, and begins with an exploration stage where the physical and chemical characteristics of the resource deposits are studied for future viability.

The University of Michigan is a key contributor to this exploration stage, doing studies of glacially-formed surface deposits, retrievable iron and copper ores, oil and gas, and of subsurface waters. Currently, Michigan is a developing target for the production of subsurface reserves of natural gas contained in organic-rich deposits of the Antrim and Collingwood Shales, through the newly expanded techniques of hydro-fracturing.

Professor Kacey Lohmann will share with us the wonders and intricacies of mining these vital Michigan resources, their impact on our state and the nation, and the ways in which we are learning to protect them. Please join us in this engaging discussion with Professor Lohmann!

Professor Kacey Lohmann, University of Michigan Department of Earth and Environmental Sciences, is widely known for his work as a sedimentary geologist and geochemist. He received his PhD from SUNY, Stony Brook and following 3 years as a post-doctoral fellow at Brown University, he has been a researcher and educator at the University since January of 1980. His work has included examination of lead and zinc ore deposits, and oil and gas fields in Michigan and throughout the World. In addition to his role as an educator and researcher, he serves as the Director of the Stable Isotope and Keck Elemental Geochemistry Laboratories at the University of Michigan. His current research also focuses on assessing geothermal changes that occur during times of global warming.
SAVE THE DATE!

Please join us for the following 2012 University of Michigan Wolverine Caucus Forums

Forums will be held at the Christman/MML Building, 208 N. Capitol Avenue, Lansing, MI 48933, or at a location in downtown Lansing, MI

**Forecasting Michigan’s Economic Future**  
Featured speaker: Professor George Fulton, UM Institute of Labor and Industrial Relations; and Economics, College of Literature, Science, and the Arts  
Wednesday, January 18, 2012  
11:30 a.m. - 1:00 p.m.  
Christman Building, 1st floor

**Exploring Michigan’s Natural Resources: Mining and Beyond**  
Featured speaker: Professor Kacey Lohmann, UM Department of Earth and Environmental Sciences  
Tuesday, February 14, 2012  
11:30 a.m. - 1:00 p.m.  
Christman Building, 1st floor

**Invasive Species and the Great Lakes**  
Featured speakers: Professor Jennifer Read, Michigan Sea Grant and Faculty from UM Cooperative Institute for Limnology and Ecosystem Research  
Wednesday, March 14, 2012  
11:00 a.m. - 1:00 p.m.  
Christman Building, 1st floor

**UM’s Historic Digitization Project**  
Featured speaker: Professor Paul N. Courant, UM Ford School of Public Policy  
Tuesday, April 17, 2012  
11:30 a.m. - 1:00 p.m.  
Location: TBD

**The Business of Athletics at UM**  
Featured speaker: UM Athletic Director David Brandon, Department of Intercollegiate Athletics  
Tuesday, June 5, 2012  
11:30 a.m. - 1:00 p.m.  
Location: TBD

**Introducing the New C.S. Mott Children’s and Von Voigtlander Women’s Hospitals**  
Featured speakers: Valerie P. Castle, M.D., Chair, Department of Pediatrics and Communicable Diseases, University of Michigan Health System; Pat Warner, Executive Director, C.S. Mott Children’s Hospital and Von Voigtlander Women’s Hospital (Invited); or Loree Collett, Associate Hospital Administrator, CS Mott Children’s and Von Voigtlander Women’s Hospitals (Invited)  
Wednesday, June 27, 2012  
11:00 a.m. - 1:00 p.m.  
Location: TBD

**“Elections 2012”**  
Featured speaker: Professor Michael Traugott, UM Center for Political Studies, Institute for Social Research; and Communication Studies, College of Literature, Science, and the Arts  
Tuesday, September 18, 2012  
11:30 a.m. - 1:00 p.m.  
Location: TBD