

**Meeting:** 1003, Atlanta, Georgia, MAA IPS Y1, MAA Invited Paper Session on Modeling Problems of the Environment

1003-Y1-1483      **Lothar A. Dohse\*** (dohse@unca.edu). *A Cooperative Modeling Initiative between Industry and Academia.*

The National Environmental Modeling and Analysis Center is a partnership between private enterprise and the University of North Carolina at Asheville. It started in November 2003, thanks to a grant from the Library of Congress. The Center works with government agencies to model environmental problems. It encourages regional economic development by utilizing local expertise and available government resources to attract new industries. The Center offers students opportunities for undergraduate research and real-world experience. Its sponsored projects have included atmospheric data analysis, ground water modeling and an educational initiative. These projects have brought on board additional research institutions as well as a regional community college. The presentation will track the creation of the Center, its evolution from the original vision to current realities, and future challenges. (Received October 05, 2004)