

Albert J. Lewandowski, Ph.D.
(810) 679-4177
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6275 Burns Line Rd
Crosswell, MI 48422

Education

Doctor of Philosophy: Natural Resources (Earth Systems Education), Ohio State University, 2001
Master of Arts: Geography. Northern Michigan University, 1986
Master of Arts: Environmental Science Education, University Of Michigan, 1981
Bachelor of Arts: History and English, Western Michigan University, 1972

Leadership & Participation in Professional Groups

Teacher Consultant: Michigan Geographic Alliance, 1992 – 2011
Board of Directors: Michigan Council for the Social Studies, 2006 – 2010
Social Studies Rep: Professional Standards Commission for Teachers
Michigan Board of Education, 2007-2010
Education Rep: St. Clair River Area of Concern,
Binational Public Awareness Committee, 2005 – 2011
Member: National Council for Geographic Education 1994 – 2011
Member: National Council for Social Studies Education, 1992 - 2011
Ambassador: Digital Library for Earth Systems Education, 2005 – 2007
Trainer: EarthCache Educational Project,
Geological Society of America, 2005 - 2008

Teaching and Professional Responsibilities:

- Geography Instructor, Port Huron Northern High School
- Instructor, GIS Certification for Teachers Program, Eastern Michigan University
- Director of Online Facilitators, Virtual Immersion in Science Inquiry for Teachers (VISIT), GIS for Educators, Eastern Michigan University
- Director for Online Instruction, Detroit Youth Technology Corp, Eastern Michigan University (Three year, NSF I-TEST grant project in GIS Instruction)
- Off Campus Instructor, Educational Technology, Central Michigan University,
- Technology Integration Coordinator, Port Huron Northern High School

Certification

Michigan Secondary Certificate
Grades 9 - 12 CX CC BA
Grades 7 - 8 All Subjects

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New Program Development

GIS Certification for Teachers, 2004 -2010 Eastern Michigan University

Co-authored a four course online certification program for educators. I revised and delivered all four courses during the 2009/2010 academic year.

Detroit Youth Technology Corp, 2008 Eastern Michigan University

NSF I-TEST STEM grant project provided GIS training to 100 Detroit Public School students with a focus on physical site and computer system security issues. I contributed to the grant writing process and served as a senior partner responsible for directing the online learning component.

Virtual Immersion in Science Inquiry for Teachers, 2001 – 2004 Eastern Michigan University

NSF funded project designed to increase teachers' skills in directing learners conducting inquiry-based learning projects. The community based projects employed GIS and related geo-spatial technologies. I made significant contributions to both formative and summative project evaluation while serving as director of on-line learning.

Black River Water Quality Monitoring Program 1992 – 1998 St. Clair County, Michigan

In 1992, the Public Interest Group In Michigan (PIRGIM), implemented a water quality monitoring program in Port Huron, MI. I actively participated in the project and subsequent establishment a county-wide water quality monitoring program. I continued in a leadership role throughout the life of the project.

Geographic Explorations, 1998 – 2010

Designed and implemented a course exploring the world from a geographic perspective at three scales; local, bioregional, and global based on principles of place-based and Sense of Place learning.

Global Studies, 1985 – 1994

Designed and implemented a geography course intended to develop the twin concepts of worldmindedness and interdependence. While teaching the course, I collected and analyzed quantitative data designed to measure the success of the program.

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Awards, Achievements, and Appointments of Honor

Distinguished Teaching Award, 2008

National Council for Geographic Education

The K-12 Distinguished Teaching Award is designed to recognize and support excellence in geography teaching among elementary, middle, and high school Teachers.

I-Test Review Panelist for GIS, 2006 and 2008

National Science Foundation

Invited to serve as a panelist reviewing grant proposals for the Innovative Technology Experiences for Students and Teachers (ITEEST) program. As a panelist, I read, reviewed, discussed and voted on the merits of a wide variety of geo-spatial technologies based STEM proposals.

GLOBE Certificate of Appreciation, 1995

Global Learning and Observation about the Environment

Granted in recognition of outstanding contributions, as a GLOBE teacher, in creating a global environmental education and science partnership dedicated to increasing environmental awareness, scientific understanding of the Earth, and achievement in mathematics and science education.

Golden Nugget Award, 1992

Council for Exceptional Children.

Granted for special contributions to students with disabilities.

Publications

Exploring the United States: A Bird's Eye View. Remote Sensing Activities for Geography

Prepared by the National Council for Geographic Education. Sponsored by National Aeronautics and Space Administration. (co-authored Great Lakes and Florida units) {2008}

EarthCaching: An Educator's Guide. The Geological Society of America. Boulder, Co. Team leader, Chapter 3, "Student EarthCache Site Development". {2007}

Sense and Sensibility; Constructing Sensible Bioregions. ESRI ArcLessons. www.esri.com. Environmental Systems Research Institute, Inc. Redlands, CA. (2001)

Orange Globe: Exploring Map Projections. GIS Day '01 CD-Rom. Environmental Systems Research Institute, Inc. Redlands, CA. (2001)

Great Lakes Exploratorium: Building a Better Bioregion. ESRI ArcLessons. www.esri.com. Environmental Systems Research Institute, Inc. Redlands, CA. (2000)

Black River Watershed: Environmental Assessment. Committee Report. National Fish and Wildlife Department. {1998}

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Great Lakes Solution Seeker: Environmental data and activities for teaching about the Great Lakes. Ohio Seagrant Publications. Columbus, OH. (1996)

The Real Social Studies. The Volunteer Monitor: Newsletter of Volunteer Water Quality Monitoring. 5 (1), 7. (1993)

Environmental Sensitivity: A Case Study of Environmental Learning through Nature Appreciation,

The Ohio State University, unpublished dissertation, 2001

Global Perspectives in Geography: Analysis of an Instructional Model Northern Michigan University, unpublished master's thesis, 1986

Recent Presentations:

EarthCaching: Instructional Tools for GPS, A Field Experience
St. Clair County RESA, 21st Century Learning Symposium, 2010

Rosa Parks: The Geography of Racism
Michigan Council for the Social Studies, 2010

Remote Sensing Activities for Geography: A Bird's Eye View
National Council for Geographic Education, Puerto Rico, 2009

Creating Geo-Journeys with GoogleEarth
Michigan Geographic Alliance, Advanced Institute, 2009

Earthcaching: GPS as an Instructional Tool
Blue Water Curriculum Council, Summer, 2008

Great Lakes: Remote Sensing/GIS Investigation Instructional Plan
National Council for Geographic Education Lake Tahoe, Fall, 2006

Thinking With Maps
Michigan Council for the Social Studies, Fall, 2006

Digital Library for Earth Systems Education
National Council for Geographic Education, Birmingham, AL, 2005

Great Lakes Exploratorium
GeoEast, Macomb, ISD, 2005

Marine GIS Data in the DLESE Collection
Digital Library for Earth Systems Education, Madison, WI, 2004