

LENORE PHILIPPA TEDESCO

Executive Director
Wetlands Institute
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(609) 368-1211 (Fax - 3871)

Place of Birth: New York
Second Language: Spanish

EDUCATION

- 1991 Ph.D. Marine Geology and Geophysics, University of Miami, Rosenstiel School of Marine & Atmospheric Science, Coral Gables, Florida.
1984 B.A. Geology, Boston University, Boston, Massachusetts.

EMPLOYMENT

- Executive Director, Wetlands Institute, 2011 –
Adjunct Professor, Department of Earth Sciences,
Indiana/Purdue University at Indianapolis, 2011 – present.
Professor, Department of Earth Sciences,
Indiana/Purdue University at Indianapolis, 2011 – 2011.
Director, Center for Earth and Environmental Science,
Indiana/Purdue University at Indianapolis, 1999 – 2011.
Director, Central Indiana Water Resources Partnership
Indiana/Purdue University at Indianapolis, 2003 – 2011.
Associate Professor, Department of Earth Sciences,
Indiana/Purdue University at Indianapolis, 1997 - 2011.
Adjunct Associate Professor, School of Informatics,
Indiana University/Purdue University at Indianapolis, 2004-2011.
Adjunct Associate Professor, School of Education,
Indiana University at Indianapolis, 2005-2011
Associate Chair, Department of Geology
Indiana/Purdue University at Indianapolis, 1998 – 2001.
Visiting Associate Professor, Florida Gulf Coast University, 2001.
Associate Director, Center for Earth and Environmental Science,
Indiana/Purdue University at Indianapolis, 1998 – 1999.
Assistant Professor, Department of Geology,
Indiana/Purdue University at Indianapolis, 1991-1997.
Adjunct Faculty, Department of Geological Sciences, University of Miami,
1995-2003.
Research Assistant, University of Miami, 1990-1991.
Research Assistant, University of South Florida, 1984-1985 and 1988-1989.
Research Assistant, Kansas Geological Survey, 1989.
Teaching Aide/Inner City Marine Project, Dade County Public Schools,
1986, 1987 and 1990.

Teaching Assistant, University of Miami, 1986 -1989.

RESEARCH INTERESTS

Water resources; beach, wetland and stream restoration; environmental education; sedimentology.

SYNERGISTIC ACTIVITIES

Director, Center for Earth and Environmental Science and coordinator of interdisciplinary environmental research and education at IUPUI and in the community at large.

Principal interdisciplinary research coordinator for international research and development program in water resources.

Principal interdisciplinary research coordinator of urban experimental ecological restoration sites in Indianapolis.

Program Director, Bachelors of Science in Environmental Science Degree, IUPUI
Develop and coordinate elementary, middle and high school environmental science education program (Discovering the Science of the Environment) focused on water quality and ecosystem restoration throughout central Indiana principally at local area school grounds.

Appointments to Indiana Solid Waste Management Board, Indiana Department of Environmental Management Wetland Science Advisory Group and Nutrient Technical Advisory Group, Natural Resources Conservation Service State Technical Committee, Indiana State Department of Agriculture Technical Advisory Board, Board of Directors Indiana Water Resource Research Center, Board of Directors Science Education Foundation of Indiana, Trustee Laura Hare Charitable Trust, Advisory Board City of Indianapolis Clean Stream Team, Indiana State Water Monitoring Council Board of Directors, Commissioner City of Indianapolis Green Commission.

Vice-President Upper White River Watershed Alliance and Chair Eagle Creek Watershed Alliance. Past President Upper White River Watershed Alliance.

Develop and teach professional development workshops for wetland and stream professionals.

Develop and teach K-12 educator professional development and community workshops for regional participants focused on environmental science and geology content, participation in ongoing Center research, and opportunities for technology utilization with K-12 classes.

Science advisor to the Veolia Water Technical Advisory Group, Indianapolis Children's Museum, Indiana State Museum, Indianapolis Department of Parks and Recreation, WFYI Public Television, and Town of Fishers.

PROFESSIONAL AFFILIATIONS

North American Association of Environmental Educators
International Water Association
North American Lake Management Society

Society of Wetland Scientists

HONORS AND AWARDS

2009	Outstanding Achievement Award for Outstanding Contribution to Indiana's Water Resource Community, Indiana Water Resources Association
2008	Howard Michaud Lifetime Achievement Award, Environmental Education Association of Indiana
2008	Indiana Water Conservationist of the Year, Indiana Wildlife Federation
2007	Nominee, US Professors of the Year Awards Program
2006	Trustee's Teaching Award, IUPUI
2005	Chancellor's Faculty Award for Civic Engagement, IUPUI
2005	Pervasive Technology Labs at Indiana University Fellow
2004	Pervasive Technology Labs at Indiana University Fellow
2004	Nominee, National Wetlands Award
2003	School of Science Service Award, IUPUI
2003	IUPUI Outstanding Female Faculty & Staff Leaders Award
2003	Woman of Distinction Soroptomist International of Indianapolis
2002	Governor's Award for Environmental Excellence: The Lilly Arbor Project
2002	Nominee, Brian Douglas Hiltunen Faculty Award for Outstanding Contribution to the Scholarship of Engagement
2000	Teaching Excellence Recognition Award, IUPUI
1999	Teaching Excellence Recognition Award, IUPUI
1998	Teaching Excellence Recognition Award, IUPUI
1997	Nominee, Society of Economic Paleontologists and Mineralogists James Lee Wilson Award for Outstanding Young Sedimentologist
1996	IUPUI Outstanding Young Faculty Award Purdue School of Science Excellence in Teaching Award Nominee, Indiana/Purdue University Chancellor's Award for Excellence in Teaching
1990	Koczy Fellowship for Outstanding Dissertation Research - University of Miami
1989	Geological Society America Research Grant Kansas Geological Survey Research Award
1988	Gulf Coast Association of Geological Societies Research Award Kansas Geological Survey Research Award Bader Memorial Student Research Award - University of Miami
1985	Texaco Graduate Fellow - University of Miami
1984	Graduate Council Fellow - University of South Florida Summa Cum Laude - Boston University
1983	Case/Melville Scholarship - Boston University

STUDENT ADVISORY COMMITTEES

Ph.D.: A. Smith (co-chair), D. L. Pascual (University of Michigan), *J.A. Risi (University of Miami)

M.S.: *S. Brouder, *J. DeLury (Geography), *J. Johnstone, *Li, L., *A. Tilton (chair), *A. Adamczyk, *A. Smith, *A. Gamble, *M. Stouder (chair), *B. Simpson (chair), *A. Campbell (chair), *A. Robertson, *J. Bills, *M. Baller (Geography), *L. Vallely (Geography), *L. Wagner, *B. Sengpiel, *R. Raftis *K. Randolph (Geography), *L. Casey (chair), *D. Graves (chair), *A. Smith, *K. Koy, (chair), *L. Shrake (chair), *J. Arthur (chair), *A. Boettner (chair), *R.E. Hall (chair), *M.A. O'Neal (chair), *T.A. Rickabaugh (chair), *D. Richardson, *K. Null, *K. Bannister (Indiana U.), *J. Carnahan, *F.V. Hernly, *C. Jamet, *J. Latimer, *M. McGinnis, *B. Michaels (U. Miami), *C. Woodfield

Senior Thesis: *M. Hine (chair), *M. Lair (chair), *A. Egler (Biology, chair), *T. Niccum (Biology, chair), *R. Searcy (Biology, chair), *M. Selig (chair), *K.K. Laird (chair), *B. Pace (chair), *J. Poehler (chair), *E. Snow (chair), *C. Willman (chair), *K. Eck, *M. Fisherkeller, *M. Potter

Undergraduate Research: *B. McInerny (Biology), *J. Webber (Geography), *P. Abel, *S. Deckard, *L. Jackson, *T. Liberge, *N. Kramer, *B. Pace, *M. Schmidt, *L. Scusa, *C. Willman, *K. Probst, *A. Egler (Biology), *K. Smith (Geography), *M. Carrel (Anthropology), *T. Niccum (Biology), *B. Rismiller (Eng. Tech.), *R. Searcy (Biology), *M. Burton (Whitman College), *C. Kitchen (Whitman College), *L. Lowery (U. of the South), *S. Obley (FGCU), *M. Roth (SUNY Oneonta)

*Completed

COURSES TAUGHT

Geology - The Earth's Environment (Physical Geology - G110), Fall, 1992

Earth's Environment Laboratory (G120, G206), Fall, 1992

Introduction to Oceanography (G115)

Fall, 1991; Spring, 1992; Spring, 1993; Fall, 1993; Spring, 1994;
Spring, 1995; Spring, 1996; Spring, 1997; Spring, 1998; Spring, 1999; Spring,
2000; Fall, 2000; Fall, 2001; Spring, 2002

Dinosaurs (G130), Spring, 1995

Reefs (G130), Spring, 1997

Wetlands (G130), Spring, 2004; Fall, 2004

Dinosaurs (G180), Spring, 1998, Spring, 1999

Global Environmental Change (Lecture and Laboratory - G185, G186)

Fall, 1995; Spring, 1996

Service Learning in Geology (G199), Summer 2001, Summer 2002, Fall, 2003, Spring,
2004; Summer, 2004, Fall, 2004, Spring, 2005, Fall, 2005, Spring, 2006, Fall,
2006; Spring, 2007, Fall, 2007, Spring, 2008, Fall, 2008, Spring, 2009, Fall, 2009,
Spring, 2010, Fall, 2010; Spring, 2011

Historical Geology (Lecture and Laboratory - G209) Spring, 1995

Geologic Mapping and Field Methods (Field Course - G303)

Fall, 1993; Fall, 1994; Fall, 1995; Fall, 1996; Fall, 1997; Spring, 1999; Fall, 1999;
Fall, 2000; Fall, 2001; Fall, 2002; Fall, 2003

Principles of Sedimentology and Stratigraphy (Lecture and Laboratory - G334)
 Spring, 1992; Spring, 1993; Fall, 1993; Fall, 1994; Fall, 1995; Fall, 1996; Fall, 1997; Fall, 1998; Fall, 2002; Fall, 2003, Fall, 2005

Undergraduate Research in Geology (G410)
 Spring, 1993; Summer, 1995; Spring, 1997; Fall, 1997; Spring, 1998; Spring, 1999; Fall, 1999; Summer, 2000; Fall, 2000; Spring, 2001; Summer, 2002, Summer, 2007; Spring, 2010

Geology of Modern Carbonate Environments of South Florida (Field Course - G420)
 Summer, 1992

Regional Geology Field Course - Montana (G420), Summer, 1994
Regional Geology Field Course - Southern California (G420), Summer, 1997; Summer, 1999

Introduction to Carbonates (G490), Spring, 1996; Spring, 1999; Spring, 2002
Wetland Ecosystems (G490/G431), Fall, 2004; Fall, 2006, Fall, 2008, Fall, 2010
Stream Ecosystems and Their Restoration (G490), Spring, 2006, Fall, 2007, Fall, 2009
Senior Thesis in Geology (G495), Spring, 1995; Spring, 1997; Fall, 1997; Spring, 1998; Fall, 1999; Fall, 2001; Spring, 2004, Fall, 2007

Keck Undergraduate Research Mentor – SW Florida, Summer, 1999; Summer, 2001
Applied Analytical Techniques (G545), Spring, 1996
Geology Summer Field Course - Western U.S. (GSC 574), University of Miami, Summer, 1995; Summer, 1997

Carbonate Sedimentology (Lecture and Laboratory - G645/G690),
 Spring, 1994; Spring, 1996, Spring, 1999; Spring, 2002
SEAM Ecology Summer Institute (G690) Summer, 2003; Fall, 2003
Wetland Ecosystems (G690), Fall, 2004; Fall, 2006; Fall, 2008; Fall, 2010
Topics in Wetland Education (G690), Spring, 2005
Stream Ecosystems and Their Restoration (G690), Spring, 2006; Fall, 2007, Fall, 2009
Tools for Water Quality Education (G690), Spring, 2007
Topics in Restoration Science Education (G690/E505), Summer, 2007, Summer, 2008, Summer, 2009, Summer, 2010

Geologic Problems (G700) Fall, 1994; Fall, 1998; Spring, 2000; Spring, 2001, Spring, 2002; Fall, 2003; Summer, 2004; Fall, 2004; Spring, 2005, Fall, 2005; Fall, 2007; Spring, 2007, Spring, 2008, Fall, 2008, Summer, 2009, Fall, 2010

Global Change Biology (K411) Spring, 2004, Spring, 2005, Fall, 2005
Biology Undergraduate Research (K493) Fall, 2000; Spring, 2002, Summer, 2008
Biology Senior Thesis (K494) Spring, 2001; Summer, 2002, Fall, 2008

RESEARCH GRANTS (PI unless noted)

The Jersey Shore Terrapin Conservation Project
 Disney Worldwide Conservation Fund
 10/12 – 9/13 \$24,800

Algae, Taste and Odor, and Algal Toxin Monitoring Program for Indianapolis Drinking Water Reservoirs
 Citizens Energy Group
 10/11 – 12/12 \$150,000

- Development of a Fluvial Erosion Hazard Mitigation Program for Indiana
 Indiana Office of Community and Rural Affairs/Housing and Urban Development
 3/11 – 5/13 \$799,873
- Algal Ecology and Cyanobacteria Toxicity of Three Eutrophic Drinking Water Supply
 and Recreational Use Reservoirs in Central Indiana
 Veolia Water Indianapolis
 1/10-12/10 \$156,240
- Remote Sensing of Global Warming Affected Inland Water Quality: Challenge,
 Opportunity and Solution
 NASA
 With L. Li and M. Babbar-Sebens
 1/10 – 12/10 \$72,525
- Eagle Creek Watershed Implementation Project
 EPA 319 Grant Program/ Indiana Department of Environmental Management
 10/09 – 9/12 \$655,375 (\$393,225 grant dollars)
- Testing Bio-optical Algorithms for Remote Sensing of Inland Water Quality
 With L. Li and J. Wilson
 NASA
 6/09-5/13 \$569,820
- Cyanobacterial Ecology and Toxicology of Central Indiana Reservoirs
 Veolia Water Indianapolis
 1/09-12/09 \$158,982
- Performance Analysis of Selected Mitigation Systems Used to Attenuate Diffuse
 Pollution Occurring during Baseflow and High Flow Events from Agricultural
 Fields (Aquisafe 2)
 KompetenzZentrum Wasser Berlin
 Co-PI with P.A Jacinthe and M. Babbar-Sebens
 1/09-12/13 €150,000 (~\$216,200)
- A Model to Identify Constructed Wetland Sites to Maximize Nitrate Reduction and Flood
 Mitigation.
 Indiana State Department of Agriculture
 Co-PI with M. Babbar-Sebens
 1/09-1/10 \$38,000
- Sustaining Water Resources: Environmental Impacts of Chemical Loadings and
 Transport during Floods
 Indiana University - Bloomington – IUPUI Intercampus Collaboration in
 Environmental Research

Co-PI with M. Babbar-Sebens and P.A. Jacinthe (IUPUI)
 K. Clay, S. Hall, H. Reynolds, and T. Royer (IUB)
 1/09 – 6/10 \$50,333

Upper White River Watershed Alliance's Watershed Management Planning Project
 Co-PI with Empower Results, LLC. and Context, LLC.
 Indiana Department of Natural Resources, Lake and River Enhancement Program
 1/08-12/09 \$89,000

Cyanobacterial Ecology and Toxicology of Central Indiana Reservoirs
 Veolia Water Indianapolis
 1/08-12/08 \$178,048

Mapping Aquatic Vegetation with Hyperspectral Remote Sensing Imagery
 Co-PI with J. Wilson
 Indiana Department of Natural Resources, Lake and River Enhancement Program
 7/07-9/09 \$49,995

Mitigation of Contaminants in Rural and Semi-Rural Environments to Protect Surface
 and Groundwater (Aquisafe 07)
 KompetenzZentrum Wasser Berlin
 Co-PI with Y. Moreau-Le Golvan (KWB); G. Grutzmacher (UBA); and E.
 Soyeux (Veolia)
 7/07-9/09 \$265,608

Empirical and Bio-optical Modeling of Hyperspectral Reflectance for Improved Mapping
 of Water Quality Parameters in Central Indiana Reservoirs
 Co-PI with L. Li
 Veolia Water Indianapolis
 4/07-6/08 \$77,760

Contaminant Transport Dynamics During Storms in Medium to Large River Systems of
 the Midwest
 Co-PI with P. Vidon
 Veolia Water Indianapolis
 4/07-9/08 \$175,247

Watershed-Scale Evaluation of BMP Effectiveness and Acceptability: Eagle Creek
 Watershed, Indiana
 Co-PI with R. Turco, Purdue University
 US Department of Agriculture
 7/06-7/09 \$650,000 (\$218,580 to IUPUI)

Quantifying Blue-Green Algae of Central Indiana Reservoirs Using Hyperspectral
 Reflectance
 Co-PI with L. Li

Veolia Water Indianapolis
3/06-3/07 \$147,788

Developing a Survey Tool for the Rapid Assessment of Blue-green Algae in Central
Indiana's Reservoirs
Indiana Department of Natural Resources, Lake and River Enhancement Program
with L. Li
7/05-6/06 \$21,000

Eagle Creek Watershed Alliance: Phase I Watershed BMP Implementation, Education,
and Public Outreach.
EPA 319 Grant Program/ Indiana Department of Environmental Management
3/2006-3/2009 \$522,911 (\$343,254 grant dollars to IUPUI)

Quantifying Blue-Green Algae of Central Indiana Reservoirs Using Hyperspectral
Reflectance
Co-PI with L. Li
Veolia Water Indianapolis
2/05-2/06 \$21,789

RAPID: Remotely Accessible Personal Information Display
Bridging the Gap between the Field and the Laboratory to Synthesize
Environmental Data
Indiana University Pervasive Technology Labs Fellows Program
9/04-8/05 \$30,000

Water Quality and Nutrient Cycling in Indianapolis' Drinking Water Reservoirs and their
Watersheds
Veolia Water Indianapolis
3/04-3/05 \$57,612

An Integrated Environmental Monitoring Network and Its Visualization
Indiana University Pervasive Technology Labs Fellows Program
12/03-12/04 \$40,674

The Starling Wetland Restoration Project: A University, Corporate, Community
Partnership to Enhance Biodiversity and Expand Nature Studies at Indianapolis'
Largest Park
Efroymsen Fund, USFilter Indianapolis Water LLC., Indianapolis Parks
5/03-5/04 \$70,395

Water Quality and Nutrient Cycling in Three Central Indiana Watersheds and Their
Reservoirs: Eagle Creek/Eagle Creek Reservoir, Fall Creek/Geist Reservoir and
Cicero Creek/Morse Reservoir
with E.A. Atekwana, G. Filippelli, K. Licht, J. Swope
US Filter Indianapolis Water / Vivendi;

12/02-2/04 \$141,365

Sedimentologic and Biogeochemical Characterization of the Eagle Creek Watershed:
Implications for Nutrient Cycling and Water Quality

With G. Filippelli and E.A. Atekwana
US Filter Indianapolis Water / Vivendi;
8/02-12/02 \$38,531

The Lilly ARBOR Project: An Experiment in Urban Riparian Restoration

Eli Lilly Foundation
4/01-4/06 \$200,000

The White River Riparian Restoration Project

National Fish and Wildlife Federation;
8/00-8/01 \$9,960

White River Riparian Restoration Project: An Urban Reforestation Program;

IUPUI Office for Professional Development;
5/00-4/01 \$10,000

Restoring Estuarine Habitat Quality: Effects of Alternative Types of Water Control
Structures on Freshwater Inflow, the Distribution of Non-Point Source Pollutants,
and the Dispersal of Non-Indigenous Species;

Florida Coastal Zone Management Program, Federal Coastal Zone Management
Act Funds
7/99 – 6/00 \$24,870

Vertical Gradients of Trace Element Concentrations and Accumulation in Four Marginal
Marine, Estuarine, and Marsh Environments; Rookery Bay NERR and 10,000
Islands National Wildlife Refuge, Southwest Florida; Rookery Bay National
Estuarine Research Reserve

9/98-5/98 \$5,000

The Sediment Record as a Monitor of Natural and Anthropogenic Changes in the Lower
Everglades/Florida Bay Ecosystem: A High Resolution Study;

National Oceanographic & Atmospheric Administration,
South Florida Ecosystem Restoration Prediction and Modeling Program
7/97 - 7/00 \$55,200

The Distribution of Trace Elements and Organics in Surficial Sediments of Rookery Bay
National Estuarine Research Reserve, Southwest Florida: Implications for
Anthropogenic Contaminant Inputs;

National Oceanographic and Atmospheric Administration
Sanctuaries and Reserves Division
7/97-6/98 \$26,674

Lake Sedimentation in the San Gorgonio Wilderness of Southern California: A Record of El Niño Periodicity; IUPUI Outstanding Young Faculty Award
5/96-9/97 \$10,000

The Sediment Record As A Monitor of Natural and Anthropogenic Changes in the Lower Everglades/Florida Bay Ecosystem;
U.S. Department of Commerce,
National Oceanographic and Atmospheric Administration
8/95-8/97 \$15,000

Post-Hurricane Sediment Redistribution and Benthic Community Response and Evolution Within Biscayne Bay, The Coral Reef Platform, and the Southwest Florida Coast;
National Park Service - Everglades National Park/Biscayne National Park
11/93-11/96 \$63,579

Differentiating Environments of Ooid Formation Using Grain Characteristics;
IU/PU Summer Research Fellowship
6/93-8/93 \$6,000

Geologic Modification to Coastal and Shallow Marine Environments of South Florida Resulting From Hurricane Andrew;
NSF - Earth Sciences, Geology and Paleontology
9/92-9/93 \$8,933

Comparative Analysis of Modern and Ancient Oolitic Sediments: Petrology and Depositional Environments;
IU/PU Summer Research Fellowship
6/92-8/92 \$6,000

Comparative Analysis of Modern and Ancient Oolitic Sediments: Petrology and Depositional Environments;
IU/PU Grant-in-Aid for Research
3/91-12/92 \$3,000

EDUCATION AND TEACHING GRANTS

Discovering the Science of the Environment
Co-Pi with L. Li
NASA
3/10-7/13 \$60,000

The GK-12 Urban Educators Program at IUPUI: Teaching and Learning Science through Research
Co-PI with K. Marrs, A. Gavrin, J. Watt, P. Crowell, S. Rhodes
National Science Foundation
2/08-2/12 \$2,993,160

Wetlands Education Workshops
Indiana Department of Environmental Management
J.F. New and Associates, Inc.
5/08-9/08 \$8,999

Discovering the Science of the Environment
Nina Mason Pulliam Charitable Trust
7/06-7/08 \$170,000

Discovering the Science of the Environment
Veolia Water Indianapolis, Dow AgroSciences, Eli Lilly and Co. Foundation,
Duke Energy Foundation, Indianapolis Power & Light, Hoover Family
Foundation, Noyes Foundation
7/06-12/08 \$345,500

Central Indiana Watershed Enhancement Partnership
IUPUI Commitment to Excellence for Civic Engagement Civic Collaborative
7/04-6/06 \$60,000

Water Resources Interdisciplinary Civic Partnership
IUPUI Commitment to Excellence for Civic Engagement Civic Collaborative
9/03-5/04 \$21,000

An Integrated Environmental Monitoring Network
IUPUI School of Science Student Technology Fees
10/03-12/05 \$56,000

National GIS Day Workshop
Central Indiana Community Foundation Library Fund
with R. Crumrin
12/03-7/04 \$3,060

The Lilly ARBOR Project: An Ecological Field Study Experience
Central Indiana Educational Service Center
Seam Summer Institute
5/03-10/03 \$15,470

An Ecological Field Study Experience
Central Indiana Educational Service Center
Project Seam Professional Development Workshops
3/02-10/02 \$7,350

An Integrated GPS Field Surveying System
IUPUI School of Science Student Technology Fees
7/02-7/03 \$18,645

- Creating a Community of Environmental Service Scholars
Community Service Scholarships, IUPUI Office of Public Service and Leadership
1/02 – 5/02 \$2,250
- Environmental Service Learning for Undergraduate Service Course
Community Service Scholarship, IUPUI Office of Public Service and Leadership
8/01 – 12/01 \$2,250
- Environmental Science Activity Module Development for K-12 Education at the Lilly
ARBOR Project
Eli Lilly and Company
1/01 – 12/01 \$20,400
- Environmental Service Learning at the Lilly ARBOR Site
Community Service Scholarship, IUPUI Office of Public Service and Leadership
1/01 – 5/01 \$2,250
- Watershed Health & Coastal Evolution of Southwest Florida
Keck Consortium Proposal Junior Project Summer 2001
Keck Geology Consortium and Rookery Bay National Estuarine Research
Reserve Co-Project Director with M. Savarese
10/00 – 12/01 \$54,950
- Environmental Service Learning in Introductory Geology Classes
Community Service Scholarship, IUPUI Office of Public Service and Leadership
8/00 – 12/00 \$1,500
- The Great Coral Reef Adventure
The Children's Museum of Indianapolis
7/00 – 6/01 \$7,674
- Incorporating Service Learning into Introductory Oceanography Classes
Community Service Scholarship, IUPUI Office of Public Service and Leadership
12/00 – 5/00 \$1,500
- A Field Station for Introductory Geology Laboratories on the White River
IUPUI School of Science Student Technology Fees
7/99-7/00 \$34,520
- 3-D Data Visualization Laboratory – Unix Cluster
with Department of Computer and Information Science
IUPUI School of Science Student Technology Fees
7/98-7/99 \$63,500
- Field Instrumentation for Advanced Classes and Technologically Advanced Classrooms;

IUPUI School of Science Student Technology Fees
7/97-7/98 \$44,842

Dino Dig: An Interactive Distance Learning Experience;
Children's Museum of Indianapolis and Ameritech Corporation
11/96-11/97 \$14,400

Use of Internet for Teaching and Course Materials Presentation
IUPUI School of Science Student Technology Fees
7/96-7/97 \$22,015

Innovative Projects in General Education Planning Grant: Geology/Geography G185
Global Environmental Change;
with T. Brothers, C. Souch, G. Filippelli
6/95-6/96 \$1,000

Building an Undergraduate Geology Student Computing Cluster
IUPUI School of Science Student Technology Fees
7/93-7/94 \$16,256

RESEARCH CONTRACTS

Monitoring and Analysis of Blue-green Algae in Indiana Lakes and Reservoirs
Indiana Department of Environmental Management
7/10 – 6/12 \$29,060

Development of Restoration and Mitigation Plans for Streams and Wetlands on
Indianapolis Park Properties
City of Indianapolis Department of Public Works
1/10 – 12/12 \$33,300

Development of Restoration and Mitigation Plans for Streams and Wetlands on
Indianapolis Park Properties
Indianapolis Parks Foundation, Inc.
12/07-12/12 \$13,500 + work package amendments
6/09-6/10 Amendment 1 - \$119,460

IUPUI Sustainability Benchmarking and Water Resource Research and Training
Veolia Water Indianapolis, LLC.
1/08 – 6/09 \$112,447

Development of a Restoration and Management Plan for a Portion of the Scott Starling
Nature Sanctuary, Eagle Creek Park, Indianapolis, IN
Nature Sanctuary and Center, Inc.
10/05-10/06 \$33,250

Indiana Fen Delineation and Hydrologic Assessment Southwestway Park, Marion County

Indianapolis Department of Parks and Recreation
9/04-12/05 \$14,973

Monitoring Ecological Restoration at Ritchey Woods Natural Area
The Children's Museum of Indianapolis
1/02-1/03 \$7,000

Monitoring Fine-Scale Changes in Natural Communities: An Evaluation of the Utility of Remote Sensing Technology
Indiana Department of Natural Resources, Division of Nature Preserves
Co-Project Director with J.S. Wilson
10/00 – 9/01 \$2,500

A Proposal to Conduct a Baseline Hydrologic Assessment, Ritchey Woods Watershed
Children's Museum of Indianapolis
Co-Project Director with E.A. Atekwana
2/00-7/00 \$5,600

Dry Tortugas/Fort Jefferson National Monument Submerged Cultural Resources
Site Stability Assessment
Submerged Cultural Resources Unit - National Park Service
8/95-10/97 \$1,200

SERVICE GRANTS

Measurement of Cyanobacterial Toxins in Three Central Indiana Drinking Water Reservoirs
Indiana Department of Natural Resources
5/08-12/08 \$21,025

Indiana Map Phase 1: GIS Benchmark and Gap Analysis of Local Level Framework Data
Indiana Geographic Information Council
Co-Project Director with M. Palakal, B.E. Hall
12/02-5/03 \$12,000

Map Rectification and Potential Applications of ADAR Multispectral Airborne Imagery
City of Indianapolis, Department of Public Works
Co-Project Director with J.S. Wilson
10/99-8/00 \$26,125

The Center for Earth and Environmental Science
Strategic Directions Charter, Indiana University
7/99-6/01 \$40,000

Start-up Funding for the Center for Earth and Environmental Science;
Strategic Directions Charter, Indiana University
Co-Project Director with R.D. Hall

7/97-6/99 \$299,496

A Cooperative Program for the Conversion of Spatially Referenced Data for a
Geographic Information System Archive; Center for Earth and Environmental
Science and IUPUI University Libraries

11/96-8/99 \$ 48,590

Start-up Funding to Implement the Center for Earth and Environmental Sciences;
Strategic Directions Initiative Discretionary Funds, Indiana University
Co-Project Director with R.D. Hall

7/96-6/97 \$50,000

PHILANTHROPIC ACTIVITIES AS DIRECTOR OF CEES IUPUI

Individual, Corporate and Foundation Gifts (Non-Contract and Grant)

2000	\$ 83,524
2001	\$ 72,560
2002	\$ 76,496
2003	\$108,302
2004	\$108,424
2005	\$ 76,608
2006	\$ 89,733
2007	\$ 126,490
2008	\$ 126,898
2009	\$ 121,119
2010	\$ 145,825
2011	\$ 167,500

INVITED LECTURES (115 lectures while at IUPUI {1991-2011})

“Hurricane Sandy in Cape May County”, 2013 Lunch N Learn, Wetlands Institute, Stoen Harbor, NJ, March, 2013.

“The Coupled Effects of Climate Change and Modification of Indiana’s Hydrologic Cycle to Water Resources and Flooding”, 2011 River Summit, Ft. Wayne, IN, June, 2011.

“Cyanobacterial Occurrence and Toxicity in Indiana Waters” 2011 River Summit, Ft. Wayne, IN, June, 2011.

“Cyanobacterial Occurrence, Toxicity and Taste and Odor Production in Indianapolis Drinking Water Reservoirs”, Kansas Geological Survey, February, 2011.

“Cyanobacterial Occurrence and Toxicity in Indiana Waters”, Department of Geology, Indiana State University, February, 2011.

“Blue-green Algae in Indiana: A Threat to Our Waterways and the Linkage to Nutrients”, 68th Annual Conference of Indiana Soil and Water Conservation Districts, Indianapolis, January, 2011.

“Challenge for Sustainable Water Resources in Indiana”, Oregon Seagrant, Corvallis, OR, December, 2010.

“The Coupled Effects of Climate Change and Modification of Indiana’s Hydrologic Cycle to Water Resources and Flooding”, Indiana GIS Conference, Invited Keynote, Indianapolis, November, 2010.

- “Climate Induced Changes in Taste and Odor Production and Transported Sources Impacting Indianapolis Drinking Water Supplies”, World Water Congress, Montreal, CA, September, 2010.
- “Blue-green Algae: A Threat to Indiana’s Lakes and Streams”, USEPA Regional Source Water Managers Annual Meeting, Indianapolis, September, 2010.
- “Pharmaceuticals in Indiana’s Waters: An Overview”, State of Indiana Legislature, Environmental Quality Service Council, Interim Study Committee, September, 2010.
- “The Coupled Effects of Climate Change and Modification of Indiana’s Hydrologic Cycle to Water Resources and Flooding”, 4th Annual HAZUS Conference, Federal Emergency Management Agency, Invited Keynote, Indianapolis, August, 2010.
- “Towards Sustainable Water Resources for Indiana”, Project WET USA Annual Conference, Keynote Address, Indiana Department of Natural Resources, McCormicks Creek State Park, June, 2010.
- “Blue-green Algae: A Threat to Indiana’s Lakes and Streams”, Indiana Wildlife Federation Annual Meeting, Clifty Falls State Park, June, 2010.
- “Microcystin and Taste and Odor Compound Occurrence, Fate and Transport in central Indiana Surface Waters.” 7th National Water Monitoring Conference, Denver, CO, April, 2010.
- “Modification of Indiana’s Hydrologic Cycle”, Operation Stay Afloat 2010, Flood Preparedness and All Hazard Mitigation Conference, Keynote Address, Indiana Department of Natural Resources and Indiana Department of Homeland Security, March, 2010.
- “Cyanobacterial Occurrence and Toxicity in Indiana”, Indiana Lake Management Society, Annual Meeting, Merrillville, IN, March, 2010.
- “Cyanobacterial Occurrence and Toxicity in central Indiana Drinking Water Reservoirs with an Assessment of Statewide Occurrence”, Purdue University, Water Community Seminar, West Lafayette, IN, March, 2010.
- “Cyanobacterial Occurrence and Toxicity in central Indiana Drinking Water Reservoirs: Causes and Triggers”, Department of Ocean, Earth, and Atmospheric Science, Old Dominion University, March, 2010.
- “The Quest for Sustainable Water Resources and the Role of Stormwater”, Keep It Clean, Central Indiana Stormwater Workshop, Indianapolis, February, 2010.
- “What We Know, What We Think We Know, and What We Don’t Know: A Water Quality Primer for Central Indiana”, Upper White River Watershed Alliance Annual Meeting, Indianapolis, December, 2009.
- “Assessing Watershed Processes on a Holistic Basis to Evaluate Water Quality in Eagle Creek Watershed”, Eagle Creek Watershed Alliance, Indianapolis, November, 2009.
- “Blue-Green Algae in Indiana: An Emerging Threat and the Need for Statewide Monitoring and a Public Information Plan”, Environmental Quality Service Council, Indiana State Legislature, Indianapolis, October, 2009.
- “Indiana’s Modified Hydrologic Cycle”, Indiana Association of Floodplain and Stormwater Managers Annual Meeting, Keynote Address, Angola, IN, September, 2009.
- “Algal Ecology and Blue-green Algae Toxins in Geist Reservoir”, Geist/Fall Creek Watershed Association Public Meeting, Fishers, May, 2009.
- “Watershed Loading of Nutrients to Geist Reservoir from Fall Creek Watershed: The Role of Storm Transport”, Indiana Department of Environmental Management/Indiana Department of Natural Resources Watershed Assessment Teams, Indianapolis, May 2009.

- “Introduction to Indiana’s Water Resources and Challenges for Sustainable Water Quality”, 2009 Environmental Health Summit, Keynote Address, Indianapolis, May, 2009.
- “Algal Ecology and Blue-green Algae Toxins in Morse Reservoir”, Morse Waterways Association Public Meeting, Cicero, April, 2009.
- “Challenges for Sustaining and Improving Water Resources in Indiana”, IUPUI Women’s History Month, Keynote Address, Indianapolis, March, 2009.
- “Challenges for Sustaining and Improving Water Resources in Indiana”, IUPUI Cutting Edge Lecture Series, Indianapolis, March, 2009.
- “Algal Ecology and Toxicity of Three Central Indiana Water Supply Reservoirs”, Veolia Water Indianapolis, Technical Advisory Group, Indianapolis, March, 2009.
- “The Development of Hyperspectral Remote Sensing Tools for Prediction of Cyanobacteria in Public Drinking Water Supply Reservoirs, Central Indiana, USA and South Australia”, United Water South Australia, Adelaide, Australia, March, 2009.
- “The Development of Hyperspectral Remote Sensing Tools for Prediction of Cyanobacteria in Public Drinking Water Supply Reservoirs, Central Indiana, USA and South Australia”, Melbourne Water, Victoria, Australia, March, 2009.
- “Towards an Understanding of Water Quality in a Mixed Agricultural and Urban Watershed: Eagle Creek Watershed, Indiana”, USEPA Surface Water Monitoring and Standards Meeting, Chicago, February, 2009.
- “A Regional Approach to Improved Water Resource Planning: The Upper White River Watershed Alliance”, Indiana Lake Management Society, Indianapolis, January, 2009.
- “IUPUI Campus Sustainability Initiative”, IU Law Environmental Law Society, Campus Carbon Neutral Workshop, IU School of Law, Indianapolis, January, 2009.
- “Beanblossom Bottoms, A Wetland Gem in Southcentral Indiana”, Amos Butler Audubon Society, Indianapolis, January, 2009.
- “Watershed-Scale Evaluation of BMP Effectiveness and Acceptability: Eagle Creek Watershed, Indiana”, Indiana Association of Soil and Water Conservation Districts Annual Meeting, Indianapolis, January, 2009.
- “Challenges of Monitoring Reservoir Water Quality: the Role of Watershed Inputs”, Indiana Water Monitoring Conference, IDEM and Purdue University, Indianapolis, IN, December, 2008.
- “Discovering the Science of the Environment - Keynote Address”, Environmental Education Association of Indiana, Indianapolis, November, 2008.
- “Challenges for Sustaining and Improving Water Resources in central Indiana”, Indiana University School of Public and Environmental Affairs, Bloomington, IN, November, 2008.
- “Effect of Land Use and Land Use Change on Water Quality”, Indiana Land Use Council, Indianapolis, IN, October, 2008.
- “Blue-green Algae and Algal Toxins in Central Indiana: An Emerging Threat to Water Resources”, Indiana Association for Floodplain and Stormwater Management, Brown County, IN, September, 2008.
- “IUPUI Campus Sustainability Initiative: Opportunities for Enhanced Environmental Stewardship”, Office Max Environmental Sustainability Summit, Indianapolis, August, 2008.
- “Blue-green Algae and Algal Toxins in Central Indiana”, Kosciusko Lakes & Streams and Tippecanoe Watershed Foundation, Warsaw, IN, August, 2008.
- “Blue-green Algae and Algal Toxins in Morse Reservoir”, Morse Waterway’s Association, Noblesville, IN, July, 2008.

- “Blue-green Algae and Algal Toxins in Eagle Creek Reservoir”, Eagle Creek Watershed Alliance, Indianapolis, IN, July, 2008.
- “Blue-green Algae and Algal Toxins in Geist Reservoir”, Senators Gard and Merrit and Representative Bosma Pubic Meeting for Area Residents, Indianapolis, April, 2008.
- “Cyanobacterial Blooms and Algal Toxicity in central Indiana”, City of Indianapolis Board of Waterworks Technical Advisory Group, Indianapolis, April, 2008.
- “Cyanobacteria and Cyanotoxins: 2007 the Summer of Concern in Indiana”, Midwest Aquatic Plant Managers Society, Annual Meeting, Cleveland, March, 2008.
- “Cyanobacteria and Cyanotoxins: An Emerging Issue in Indiana”, Indiana Lake Management Society Annual Meeting, Warsaw, March, 2008.
- “Cyanobacteria and Cyanotoxins: An Emerging Issue in Indiana”, Indiana Association of Soil and Water Conservation Districts, Annual Meeting, Indianapolis, January, 2008.
- “Watershed-Scale Evaluation of BMP Effectiveness and Acceptability: Eagle Creek Watershed, Indiana”, Indiana Association of Soil and Water Conservation Districts, Annual Meeting, Indianapolis, January, 2008.
- “Designing for Water Quality & Quantity Impacts”, Boone County Planning Commission, Zionsville, January, 2008.
- “Planning for Water Quality”, Town of Zionsville, Indiana Planning Commission and Boone County Commissioners, Indianapolis, January, 2008.
- “Blue-green Algae and Their Toxins: The Midwest Experience”, Interagency Working Group – IDEM and IDNR, Indianapolis, September, 2007.
- “The Central Indiana Water Resources Partnership: Working Towards Sustainable Water Resources in Central Indiana for Four Years”, Veolia Water Citizen’s Advisory Group, Indianapolis, August, 2007.
- “Water Resources Research and the Central Indiana Water Resources Partnership”, Veolia Water Technical Direction Annual Meeting, Indianapolis, June, 2007.
- “Towards Sustainable Water Resources for Mixed Agricultural and Urban Watersheds”, Marion County Soil and Water Conservation District Annual Meeting, Indianapolis, February, 2007.
- “Integrating Geologic and Landscape Data to Identify, Preserve, and Restore Midwestern Seep Wetlands”, Soil Science Society of America National Meeting, Indianapolis, October, 2006.
- “Towards Sustainable Water Resources for Central Indiana”, Indianapolis Board of Waterworks and Veolia Water Citizens Advisory Group, Indianapolis, October, 2006.
- “Hydrogeomorphic Setting of Fen Wetlands in the Temperate Glaciated Midwest”, Biological Sciences Seminar Series, Butler University, Indianapolis, September, 2006.
- “The Lilly ARBOR Project: A University/Corporate/Community Collaboration”, Living Laboratories of the Wabash Seminar, West Lafayette, May, 2006.
- “Towards Sustainable Water Resources for Central Indiana: Challenges in Mixed Agricultural and Urban Watersheds”, National Soil Erosion Research Lab, West Lafayette, February, 2006.
- “Towards Sustainable Water Resources for Central Indiana: Water Quality Programs to Restore the Hydrologic Cycle”, Hendricks County Master Naturalists, Avon, February, 2006.
- “Towards Sustainable Water Resources for Central Indiana: Restoring the Hydrologic Cycle”, Indiana Water Resources Association, Indianapolis, January, 2006.
- “Eagle Creek Watershed Management Plan: An Integrated Approach to Improved Water Quality”, Town of Zionsville Town Council, Zionsville, December, 2005.

- “Wetland Restoration at the Scott Starling Nature Sanctuary of Eagle Creek Park”, Indiana Native Plant and Wildflower Society, 12th Annual Conference, Indianapolis, November, 2005.
- “Towards Sustainable Water Resources in Central Indiana: Wetland and Riparian Restoration”, Scientech Club, Indianapolis, September, 2005.
- “Towards Sustainable Water Resources for Mixed Agricultural and Urban Landscapes”, Workshop on Sustainable Approaches in Water Management, Urban Planning, and Effective and Renewable Energy Uses, Indianapolis, September, 2005.
- “Towards Sustainable Water Resources for Central Indiana: University Corporate Partnerships for Long-term Research”, Use of Long-term Data to Improve Water Resources in the Great Lakes Region Workshop, Indianapolis, September, 2005.
- “Water Quality and Water Resources in Central Indiana”, Hendricks County Master Naturalists, Indianapolis, August, 2005.
- “Towards Sustainable Water Resources for Central Indiana”, City of Indianapolis Board of Waterworks, Indianapolis, July, 2005.
- “Restoration of Groundwater Wetlands: The Starling Nature Sanctuary”, Indianapolis Master Gardeners, Indianapolis, June, 2005.
- “Water Quality and Water Resources in Central Indiana”, Hamilton County Master Naturalists, Indianapolis, April, 2005.
- “Moving Towards Sustainable Water Resources: The Lilly ARBOR Project, Experimental Design for Restoring Riverbanks”, Central Indiana Technical and Environmental Societies 34th Annual Environmental Symposium, Indianapolis, April, 2005.
- “The Starling Wetland Restoration Project: University/Corporate/Community Partnership for Watershed and Water Quality Awareness”, IP – Ft. Wayne, Ft. Wayne, April, 2005.
- “Towards Sustainable Water Resources for Central Indiana; Watershed Management and Wetland Restoration”, IU Center for Aging Research, Indianapolis, February, 2005.
- “Restoration of a Rare, Groundwater-fed Wetland at the Starling Nature Sanctuary of Eagle Creek Park”, Amos W. Butler Audubon Society, Indianapolis, January, 2005.
- “The Central Indiana Water Resources Partnership”, Watershed and Water Quality Workshop, Berlin Centre of Competence, Berlin, November, 2004.
- “Central Indiana Water Resources: Challenges and Limitations”, Indiana’s Groundwater Resources: What We Know, What We Need to Know, 49th Annual Midwest Ground Water Conference, Bloomington, October, 2004.
- “Ritchey Woods Nature Preserve: Ecological Restoration Projects in a Rapidly Urbanizing Watershed”, Department of Geography, Indiana University, Bloomington, September, 2004.
- “A Master Plan for the Upper White River Watershed Alliance”, Upper White River Watershed Alliance Quarterly Membership Meeting, Franklin, IN, June, 2004.
- “The Lilly ARBOR Project: An Experiment in Urban Riparian Restoration”, Earth Day Celebration, Eli Lilly and Co., Indianapolis, April, 2004.
- “An Integrated Environmental Monitoring Network and Its Visualization”, Indiana University ILight 2004 Symposium, Indianapolis, March, 2004.
- “The Central Indiana Water Resources Partnership: Watershed-based Research for Improving Water Quality in Central Indiana”, Indiana Geologists, Indianapolis, March, 2004.
- “The Lilly ARBOR Project: An Experiment in Urban Riparian Restoration”, Department of Earth and Environmental Science, University of Illinois, Chicago, February, 2004.

- “Improving Water Quality on Public Lands: A University/Urban Park Partnership”, National Institute on Park and Grounds Management, 33rd Annual Meeting, Indianapolis, November, 2003.
- “The Lilly ARBOR Project: An Experiment in Urban Floodplain Restoration, Department of Biological Sciences, Butler University, November, 2003
- “The Starling Fen Restoration Project”, U.S. EPA 6th Wetlands Workshop, Atlantic City, NJ, October, 2003.
- “The Lilly ARBOR Project: An Experiment in Urban Riparian Restoration, School of Public and Environmental Affairs, Indiana University, Bloomington, October, 2003.
- “Restoring Urban Stream Corridors”, Soroptorists International of Indianapolis, Indianapolis, January, 2003.
- “The Lilly ARBOR Project: An Experiment in Urban Riparian Restoration”, U.S. EPA 5th Wetlands Workshop, Atlantic City, N.J., October, 2002.
- “Wetland Restoration: The Lilly ARBOR Project”, 2002 10th Governor’s Conference on the Environment, IDEM/DNR, Indianapolis Government Center, September, 2002.
- “Linking service learning with action research, The Lilly ARBOR Project: An Experiment in Urban Riparian Restoration”, Slippery Rock University, Service Learning Faculty Development Day, September 2002.
- “Using service learning as a research vehicle: The Lilly ARBOR Project at IUPUI”, Slippery Rock University, Service Learning Faculty Development Day, September, 2002.
- “The Lilly ARBOR Project: University-Corporate Collaboration in Riparian Restoration”, Department of Geology Colloquium, IUPUI, April 12, 2002.
- “The Lilly ARBOR Project: An Interdisciplinary Field Classroom for an Urban Waterfront”, with G. Lindsey, School of Public and Environmental Affairs Brown Bag Seminar Series, IUPUI, March, 2002.
- “The Lilly ARBOR Project: An Interdisciplinary Field Research Site for K-12 Educators”, Central Indiana Science Educators Meeting, Indianapolis, February, 2002.
- “Urban Growth and Land Use: A Geological Perspective”, with E.A. Atekwana, R.C. Barr, B.E. Hall, K. Probst, and L. Jackson, Land Use Forum, Governor’s Office, Indianapolis, November, 2001.
- “The Lilly ARBOR Project: University-Corporate Collaboration in Riparian Restoration”, with G. Lindsey, The Practice of Restoring Native Ecosystems National Conference; The National Arbor Day Foundation, Nebraska City, NE, November, 2001.
- “Sea Level Rise and Its Impact on Coastal Environmental Evolution in Southwest Florida”, with M. Savarese and S. Obley, 11th Southwest Florida Water Resources Conference, Ft. Myers, FL, November, 2001.
- “An Environmental Assessment of the Ritchey Woods Natural Area”, The Children’s Museum of Indianapolis, Technical Advisory Board for Ritchey Woods, Indianapolis, October, 2001.
- “White River – Restoring Indiana’s River Corridor”, Oasis, Indianapolis, July, 2001
- “Global Climate Change: Fact or Fiction? And Its Affect on the Midwest”, Mid-North Shephard’s Center, Indianapolis, June, 2001.
- “Do Dinosaurs Move in Herds?” Muffin Monday at the IMAX Theater, Indianapolis, October, 2000.
- “A Dinosaur Mass Mortality Site Near the K/T Boundary: Evidence of Herding in Duck Billed Dinosaurs”, Indiana Geologist Monthly Meeting, Indianapolis, June, 2000.

- “The Sedimentology and Geochemistry of Southwest Florida’s Coastal, Estuarine and Wetland Ecosystems”, Restoration Science for the Southern Golden Gate Estates/Ten Thousand Islands, State of Florida, Department of Environmental Protection, Ft. Myers, June, 2000.
- “Global Climate Change: The Past, The Present and a Look to the Future”, 2000 IUPUI/TMMI Department of Mathematics High School Math Contest Keynote Address, May, 2000.
- “Stability of Coastal Wetlands: The Effects of Sea level Rise and Catastrophic Storms”, Department of Geology, Miami University, Ohio, December, 1999.
- “The Effects of Hurricanes and Sea Level on Mangrove Coastlines”, Florida Department of Environmental Protection, Rookery Bay National Estuarine Research Reserve Technical Workshop, Hurricanes and their Impacts on Natural Resources, June, 1999.
- “The Electronic Atlas of Central Indiana”, IUPUI Department of Geography Colloquium Series on Remote Sensing, with D. Lewis, University Libraries and J. Wilson, Department of Geography, January, 1999.
- “Ecosystem Function and the Restoration of the Everglades”, Exploring the Boundaries of Science and Religion, Religious Studies Department, IUPUI, April, 1998.
- “Historical Lessons for South Florida: The Environmental Consequences of Hurricane Andrew”, Southwest Florida Lecture Series, Fort Myers, FL, April, 1998.
- “Sediment Geochemistry of Rookery Bay National Estuarine Research Reserve and a Look at Historical Changes to the Estuary”, Rookery Bay National Estuarine Research Reserve, Naples, FL, April, 1998.
- “A Surface Pollen Zonation of Southwestern Florida Using Multivariate Statistical Methods”, Everglades National Park, South Florida Ecosystem Restoration Program, Paleoecology Workshop, Key Largo, FL, January, 1998.
- “The Role of Catastrophic Storms in the Evolution of Coastal Systems”, Keck Undergraduate Research Consortium, Rookery Bay National Estuarine Research Reserve, Naples, FL, January, 1998.
- “Documenting Professional Development: Dossier Preparation”, IUPUI New Faculty Orientation, Indianapolis, August, 1997.
- “Discover the Center for Earth and Environmental Science at IUPUI”, Hoosier Association of Science Teachers, Indianapolis, February, 1997.
- “Hurricanes and Tropical Marine Ecosystems”, Westlane Middle School, Indianapolis, February, 1997.
- “The Geologic History of San Geronio Mountain from the Ice Ages to the Present”, San Geronio Wilderness Ranger Station, Barton Flats Visitor Center, with A. Barth, San Bernadino, CA, August, 1996.
- “Hurricane Andrew in South Florida: Making Sedimentologic Sense of the Event”, Department of Marine Science, University of South Florida, St. Petersburg, FL, May, 1996.
- “Depositional sequences, paleoenvironmental setting, and preservation potential: Lower Cretaceous Glen Rose Formation, Central Texas”, Dinofest International Symposium, Tempe, AZ, April, 1996.
- “Site Stability, Sedimentology, and Bioturbation”, H.M.S. *Fowey* Site Stabilization Conference, National Park Service, Key Largo, FL, April, 1995.
- “Global Environmental Impacts and the Local Issues: The Role of the Geoscientist” Science Olympiad, School of Science, IUPUI, Indianapolis, IN, April, 1995.
- “Stability of Coastal Wetlands: The Effects of Sealevel Rise and Catastrophic Storms”, Department of Geology, University of Tennessee, Knoxville, TN, February, 1995.

- "Coastal Stability of South Florida in Response to Sealevel Rise and Catastrophic Storms", Tropical Audubon Society, Miami, FL, March, 1994.
- "Mississippian Oolites and Their Modern Analogs", Indiana Geologists, Indianapolis, IN, November, 1993.
- "Impact of Hurricane Andrew on Sandy Coastlines and Shallow Marine Banks of South Florida", Invited Symposium on Large Storms, with H.R. Wanless and L.A. Scusa, Geological Society of America, Southeastern Section Meeting, Tallahassee, FL, March, 1993.
- "Wind transport and damage by Hurricane Andrew", Invited Symposium on Large Storms, with H.R. Wanless, Geological Society of America, Southeastern Section Meeting, Tallahassee, FL, March, 1993.
- "Coastal Modifications and Hazards in South Florida: A Response to Hurricane Andrew", Ball State University, Department of Geology, Muncie, IN, March, 1993.
- "Geologic Modifications to Shallow Marine, Coastal, and Upland Environments from Hurricane Andrew in South Florida", Wright State University, Geology Colloquium, Dayton, OH, February, 1993.
- "Meteorological Characteristics and Geologic Modifications from Hurricane Andrew in South Florida", Purdue University Seminars in Geology, West Lafayette, IN, January, 1993.
- "Hurricane Andrew in South Florida: The Geological Consequences", Indiana Geologists, Indianapolis, IN, December, 1992.
- "Hurricane Andrew in South Florida: The Geological Consequences", Indiana University Geology Seminars, Bloomington, IN, December, 1992.
- "Hurricane-Generated Erosion and Deposition in the Subtidal Environments of South Florida", with S. Gelsanliter and H.R. Wanless, Symposium on Florida Keys Regional Ecosystem, Miami, FL, November, 1992.
- "Hurricane Modifications to Skeletal Sand and Mud Banks and Associated Biotic Communities, Biscayne Bay, Florida", Symposium on Florida Keys Regional Ecosystem, Miami, FL, November, 1992.
- "Geologic Modifications to Shallow Marine Banks and Sandy Shorelines in South Florida From Hurricane Andrew", Special Session on Hurricane Andrew, Geological Society of America Annual Meeting, Cincinnati, OH, October, 1992.
- "Geologic Consequences of Hurricane Andrew in South Florida", Indiana/Purdue University Seminars in Geology, Indianapolis, IN, September, 1992.
- "Petrology of platform and slope limestones in a tectonically active carbonate terrain: Nicaraguan Rise, Western Caribbean Sea", Indiana University Geology Seminars, Bloomington, IN, January, 1992.
- "Geology of Modern Tropical Carbonate Environments - South Florida, the Bahamas, and Caicos Platform", Indiana/Purdue University Seminars in Geology, Indianapolis, IN, October, 1991.
- "Generation of Sedimentary Fabrics and Facies By Repetitive Excavation and Storm Infilling of Burrow Networks: An Example From The Safety Valve Skeletal Bar Belt, Biscayne Bay, Florida", Koczy Fellowship Seminar, University of Miami, FL, November, 1990.
- "Role of Burrow Excavation and Infilling in Creating the Preserved Depositional Fabric of the Core Facies of Modern and Paleozoic Mud Mounds", Koninklijke Shell Exploration and Production Laboratory, Rijswijk, The Netherlands and British Petroleum, London, England, August 1990.

- "Biogenic Generation, Transformation and Destruction of Sedimentary Facies by Excavation and Catastrophic Infilling of Burrow Networks: Examples from the Modern and Ancient", East China Petroleum University at Dongying, Shengdong, Peoples Republic of China, April, 1990.
- "Biogenic Generation, Transformation and Destruction of Sedimentary Facies by Excavation and Catastrophic Infilling of Burrow Networks: Examples from the Modern and Ancient", Changqing Petroleum Exploration Company of China National Petroleum Corp., Qingyang, Gansu, Peoples Republic of China, April, 1990.
- "The Role of Excavating Burrowers in Creating the Preserved Depositional Fabric of Paleozoic Mud Mounds", East China Petroleum University at Beijing, Peoples Republic of China, March, 1990.
- "Facies Destruction, Generation and Transformation by Excavating Burrowers", East China Petroleum University at Beijing, Peoples Republic of China, March, 1990.
- "The Nature of Catastrophic Sedimentation in the Presence of Excavating Burrowers", Kansas Geologic Survey Conference on Sedimentary Modeling: Computer Simulation of Depositional Sequences, Lawrence, KS, October, 1989.
- "The Role of Excavating Burrowers in Generating, Transforming and Destroying Sedimentary Facies", Kansas Geological Survey and University of Kansas, Lawrence, KS, October, 1988.
- "Biogenic Facies Destruction, Modification and Generation", Champlain Oil Co., Denver, CO, June, 1987.

PUBLICATIONS (39 refereed of 48 total articles, book chapters, guidebooks)

- In Press Song, K., Li, L., Li, S., Tedesco, L.P., Duan, H., Li, Z., Shi, K., Du, J., Ying, Z., and Hou, J., Using Partial Least Squares-Artificial Neural Network for Inversion of Inland Water Chlorophyll-a. *IEEE Transactions on Geosciences and Remote Sensing* (in press).
- Krause, B., Matzinger, A., Litz, N., Tedesco, L.P., and Wessolek, G., submitted. Concurrent nitrate and atrazine retention in bioreactors of straw and bark mulch at short hydraulic retention times. *Ecological Engineering*, (in press).
- In Revision Babbar-Sebens, M., Bruder, S., Tedesco, L.P., and Soyeux, E. Use of fuzzy logic models for prediction of taste and odor compounds in algal-bloom affected inland water bodies. *Journal of Environmental Engineering*.
- In Review Song, K., Li, L., Duan, H., Tedesco, L.P., Li, L., Du, J. Remote quantification of total suspended matter through empirical approaches for inland waters. *Journal of Environmental Informatics* (submitted).
- Song, K., Li, L., Tedesco, L.P., Clercin, N.A., Li, L., Shi, K., Spatiotemporal characterization of colored dissolved organic matter (CDOM) absorption spectra for productive inland waters. *Limnologica* (submitted).
- Song, K., Li, L., Li, S., Li, Z., Tedesco, L.P., Hall, B.E., and Li, L., Shi, K., Liu, D., and Sun, Y., Remote estimation of phycocyanin in water supply sources via

partial least squares-artificial neural network (PLS-ANN) modeling. *ISPRS Journal Photogrammetry and Remote Sensing* (submitted).

Song, K., Li, L., Li, Z., Tedesco, L.P., Hall, B.E., and Shi, K., Remote detection of cyanobacteria through phycocyanin for water supply source using three-band model. *Ecological Informatics* (submitted).

Atekwana, E.A., Tedesco, L.P., Casey, L.R., and Shrake, L.K., Impacts of watershed modification on freshwater drainage and productivity in three sub-tropical estuaries, SW Florida, USA, *Estuarine, Coastal, and Shelf Science* (submitted).

2013 Babbar-Segens, M., Barr, R.C., Tedesco, L.P., and Anderson, M., Spatial Identification and Optimization of Upland Wetlands in Agricultural Watersheds, *Ecological Engineering*, v.52, p. 130-142.

2012 Osmond, D., Tedesco, L.P., Turco, R., Prokopy, L., Frankenberger, J., Shively, G., Arabi, M., Wilson, J., Hoag, D.L.K., and Meals, D.W., Eagle Creek Watershed, Indiana: National Institute of Food and Agriculture – Conservation Effects Assessment Project, in *How To Build Better Agricultural Conservation Programs to Protect Water Quality*, The National Institute of Food and Agriculture – Conservation Effects Assessment Project Experience, ed. D. Osmond, D.W. Meals, D.L.K. Hoag, and M. Arabi, Soil and Water Conservation Society, p. 234-245.

Nguy-Robertson, A.L., Li, L., Tedesco, L.P., Wilson, J., and Soyeux, E. (submitted). Comparing the performance of empirical, semi-empirical, and curve fitting models in predicting cyanobacterial pigments, *Photogrammetric Engineering & Remote Sensing*, v. 78(5), p. 485-494.

Song, K., Wang, Z., Li, L., Tedesco, L.P., Li, F., Jin, C., and Du, J., Wetlands shrinkage, fragmentation and their links to agriculture in the Muleng-Xingkai Plain, China. *Journal of Environmental Management*, v. 111, p. 120 -132.

Song, K., Li, L., Li, S., Tedesco, L.P., Hall, B., and Li, Z., Hyperspectral retrieval of phycocyanin in potable water sources using genetic algorithm-partial least squares (GA-PLS) modeling, *International Journal of Applied Earth Observation and Geoinformation*, v. 18, p. 368-385.

Song, K., Li, L., Tedesco, L.P., Li, S., Clercin, N.A., Hall, B.E., Li, L., and Shi, K., Hyperspectral determination of eutrophication for a water supply source via genetic algorithm partial least squares (GA-PLS) modeling, *Science of the Total Environment*, v. 426, p. 220-232.

Song, K., Li, L., Li, S., Tedesco, L.P., Hall, B.E., Li, L., Hyperspectral Remote Sensing of Total Phosphorus (TP) in Three Central Indiana Water Supply Reservoirs, *Water, Air and Soil Pollution*, v. 223 (4), p. 1481-1502.

Jacinthe, P.A., Filippelli, G.M., Tedesco, L.P., and Raftis, R. 2011. Carbon storage and greenhouse gases emission from a fluvial reservoir in an agricultural landscape. *Catena*, v. 94, p. 53-63.

Jacinthe, P.A., Bills, J.S, Tedesco, L.P., and Barr, R.C., Nitrous oxide emission from riparian buffers in relation to vegetation and flood frequency. *Journal of Environmental Quality*, v. 41, 11 p., doi:10.2134/jeq2011.0308.

- 2011 Karns, D.R., Simpson, B., Feaster, B., Sterrenburg, L., Ruch, D.G., Bellian, A., Fisher, B.E., Gorney, D., Holland, J.D., Jean, R., Jones, W.W., McCarty, M., McKnight, W.N., Murphy, W., Namestnik, S., Tedesco, L.P., and Whitaker, J.O., submitted. Results of a Biodiversity Survey at Goose Pond Fish and Wildlife Area, Greene County, Indiana, *Proceedings Indiana Academy of Science*, 13 p.
- 2010 Jacinthe, P.A., G.M. Filippelli, Tedesco, L.P., and Licht, K. 2010. Distribution of copper in sediments from fluvial reservoirs treated with cutrine. *Water, Air and Soil Pollution*: 211:35-48. (DOI: 10.1007/s11270-009-0278-3)
- Li, L., Sengpiel, R., Pascual, D.L., Tedesco, L.P., Wilson, J.S., and Soyeux, E, Using hyperspectral remote sensing to estimate chlorophyll a and phycocyanin in a mesotrophic reservoir, *International Journal of Remote Sensing*, 31:15, 4147-4162, 2010.
- Bills, J.S., Jacinthe, P.A., and Tedesco, L.P., 2010. Soil organic carbon pools and composition in a wetland complex invaded by reed canary grass. *Biology and Fertility of Soils*: 46: 697-706.
- Babbar-Sebens, M., Barr, R.C., and Tedesco, L.P., 2010. Multiobjective Optimization for Wetland Restoration Site Selection - Eagle Creek Watershed, Indiana, USA, *Proceedings of the American Society of Civil Engineers (ASCE) Environmental & Water Resources Institute 's (EWRI) 3rd Developing Nations Conference: India 2010 - An International Perspective on Current & Future State of Water Resources & the Environment* , Chennai, India, January 5-7, 2010.
- Johnstone, J., Vidon, P., Tedesco, L.P., and Soyeux, E., 2010. Nitrogen, phosphorus and carbon dynamics in a third-order stream of the US Midwest, *Proceedings of the Indiana Academy of Science*: 119 (1), p. 7-24.
- Rogers, Y., Connelly, K., Hazelwood, W., and Tedesco, L.P., 2010. Enhancing Learning: A Study of How Mobile Devices Can Facilitate Sensemaking. *Personal and Ubiquitous Computing*, vol. 14 (2), p. 111-124. Springer-Verlag, (DOI: 10.1007/s00779-009-0250-7).

- Jacinthe, P.A., Bills, J.S., Tedesco, L.P., 2010. Size, Activity, and Catabolic Diversity in a Wetland Complex Invaded by Reed Canary Grass: *Plant and Soil*, 329: 227-238.
- 2009 Jacinthe, P.A., and Tedesco, L.P., 2009, Impact of Elevated Copper on the Rate and Gaseous Products of Denitrification in Freshwater Sediments. *Journal of Environmental Quality*, 38: 1183-1192.
- Robertson, A.L., Li, L., Tedesco, L.P., Wilson, J.S., and Soyeux, E. (2009) Using a Partial Least Squares (PLS) Method for Estimating Cyanobacterial Pigments in Eutrophic Inland Waters, *SPIE Optics and Photonics Conference Proceedings*, SPIE Paper Number: 745408 (12 pps).
(<http://spiedigitallibrary.aip.org/dbt/dbt.jsp?KEY=PSISDG&Volume=7454&Issue=1>)
- 2008 Vidon, P., Tedesco, L.P., Wilson, J., Campbell, M.A., Casey, L.R., and Gray, M. 2008, Direct and Indirect Hydrologic Controls on *E.coli* Concentration and Loading in Midwestern Streams. *Journal of Environmental Quality*, vol. 37, #5, p. 1761-1768.
- Vidon, P., Tedesco, L.P., Pascual, D.L., Campbell, M.A., Casey, L.R., Wilson, J., Gray, M., 2008. Seasonal changes in stream water quality along an agricultural/urban land-use gradient. *Proceedings of the Indiana Academy of Science* 117(2):107-123
- Tedesco, L.P. 2008. Society at a Crossroads: Our Relationship with the Environment. *Indiana Insight*, 12-15.
- Wagner, L.E., Vidon, P., Tedesco, L.P., Gray, M, 2008. Stream nitrate and DOC dynamics during three spring storms across land uses in glaciated landscapes of the Midwest. *Journal of Hydrology*, 362:177-190.
- Randolph, K., Wilson, J., Tedesco, L.P., Li, L., and Soyeux, E., 2008. Hyperspectral Remote Sensing of Cyanobacteria in Turbid Inland Waters Using Optically Active Pigments, Chlorophyll a and Phycocyanin. *Remote Sensing of Environment*, Special Issue – Application of Remote Sensing to Monitoring Freshwater and Estuarine Systems, vol. 112 (# 11), p. 4009-4019. (DOI:10.1016/j.rse.2008.06.002).
- Hack, E., Tedesco, L.P., Floress, K., and Prokopy, L.S., (invited), 2008. Using Social Indicator Research to Enhance Watershed Education for Drinking Water Resources: Eagle Creek Watershed, IN. *Lakeline*, vol. 28, # 4.
- 2007 Rogers, Y., Connelly, K., Tedesco, L., Hazelwood, W., Kurtz, A., Hall, B.E., Hursey, J., and Toscos, T., 2007, Why It's Worth the Hassle: The Value of In-Situ

- Studies When Designing. UbiComp 2007 In J. Krumm et al. (Eds.) UbiComp 2007, LNCS 4717, Springer-Verlag, Berlin Heidelberg, pp. 336–353. doi:10.1027/978-3-540-74853-3. (Nominated for best paper award).
- 2006 Tedesco, L.P., and Salazar, K.A., 2006, Using Environmental Service Learning in an Urban Environment to Address Water Quality. *Journal of Geoscience Education*, vol. 54, #2, p. 123-132.
- 2004 Tedesco, L.P., Hernly, F.V., Hall, B.E., Salazar, K.A., Lindsey, G., and Minger, T. The Lilly ARBOR Project: An Experiment in Urban Riparian Restoration (Indiana). *Ecological Restoration*, v. 22, #4, p. 294-295.
- 2003 Atekwana E.A, Tedesco, L.P., and Jackson, L.R. Dissolved Inorganic Carbon (DIC) and hydrologic mixing in a subtropical riverine estuary, southwest Florida, USA. *Estuaries*, v. 26, p. 1391-1400.
- 2002 Barr, R.C., Hall, B.E., Wilson, J.S., Souch, C., Lindsey, G., Bacone, J.A., Campbell, R.K., and Tedesco, L.P., Documenting changes in the natural environment of Indianapolis-Marion County between the time of European settlement (ca. 1820) and the present: *Ecological Restoration*, v. 20, p. 37-46.
- 2001 O’Neal, M.A., Tedesco, L.P., Souch, C., and Pachut, J.F., A Pollen Zonation of Southwestern Florida Using Multivariate Statistical Methods and Its Application to Two Vertical Sedimentary Sequences: *Bull. American Paleontology*, Number 361, Paleocological Studies of South Florida, B.R. Wardlaw (ed.), Chapter 6, p. 101-132.
- Nelsen, T.A., Garte, G., Featherstone, C., Wanless, H.R., Trefry, J.H., Kang, W.J., Metz, S., Alvarez-Zarikian, C., Hood, T., Swart, P., Ellis, G., Blackwelder, P., Tedesco, L.P., Souch, C.S., Pachut, J.P., and O’Neal, M.A., Linkages between the South Florida peninsula and coastal zone: A sediment-based history of natural and anthropogenic influences: Chapter 14, in The Everglades, Florida Bay, and Coral Reefs of the Florida Keys: An Ecosystem Sourcebook. J.W. Porter and K.G. Porter (eds.), CRC Press, Boca Raton, FL., p. 415-450.
- 1997 Tedesco, L.P., Depositional Sequences, Paleoenvironmental Setting, and Preservation Potential, Lower Cretaceous Glen Rose Formation, Central Texas, in D.L. Wolberg, E.A. Stump, and G.D. Rosenberg (eds.), DinoFest International, Philadelphia Academy of Natural Science Special Publication, p. 361-376.
- Tedesco, L.P. and Aller, R.C., ²¹⁰Pb Chronology of sequences affected by burrow excavation and infilling: Examples from shallow marine carbonate sediment sequences, Holocene of south Florida and Caicos Platform, British West Indies: *Journal of Sedimentary Research*, v. 67, p. 36-46.

- 1996 Locker, S.D., Hine, A.C., Tedesco, L.P., and Shinn, E.A., Magnitude and timing of episodic sea-level rise during the last deglaciation: *Geology*, v. 24, p. 827-830.
- 1995 Tedesco, L.P. Wanless, H.R., Scusa, L.A., Risi, J.A., and Gelsanliter, S., Impact of Hurricane Andrew on South Florida's sand coastlines: *Journal of Coastal Research*, Special Issue 21, p. 59-82.
- Risi, J.A., Wanless, H.R., Tedesco, L.P., and Gelsanliter, S., Catastrophic sedimentation from Hurricane Andrew along the southwest Florida coast: *Journal of Coastal Research*, Special Issue 21, p. 83-102.
- Tedesco, L.P. and Wanless, H.R., Growth and transformation of carbonate banks: Comparison of modern skeletal banks of south Florida and Pennsylvanian banks of southeastern Kansas: International Association of Sedimentologists Spec. Publication #23: Mud Mounds: Origin and Evolution, C.V.L. Monty, D. Bosence, P. Bridges, and B. Pratt (eds.), p. 495-521.
- Wanless, H.R., Cottrell, D.J., Tagett, M.G., Tedesco, L.P., and Warzeski, E.R., Origin and growth of carbonate mud banks in south Florida: a reevaluation: International Association of Sedimentologists Spec. Publication #23: Mud Mounds: Origin and Evolution, C.V.L. Monty, D. Bosence, P. Bridges, and B. Pratt (eds.), p. 439-473.
- Wanless, H.R., Tedesco, L.P., Risi, J.A., Bischof, B.G., Gelsanliter, S., The Role of Storm Processes on the Growth and Evolution of Coastal and Shallow Marine Sedimentary Environments in South Florida, 1st SEPM Congress on Sedimentary Geology, Field Trip Guidebook, 179 p.
- 1994 Hine, A.C., Harris, M.W., Locker, S.D., Hallock, P., Peebles, M., Tedesco, L.P., Mullins, H.T., Snyder, S.W., Belknap, D.F., Gonzales, J.L., Neumann, A.C., and Martinez, J., Sedimentary infilling of an open seaway; Bawihka Channel, Nicaraguan Rise: *Journal of Sedimentary Research*, v. B64(1), p. 2-25.
- Wanless, H.R., Parkinson, R.W., and Tedesco, L.P., Sea level control on stability of Everglades wetlands: in Everglades: The Ecosystem and Its Restoration, S. Davis and J. Ogden (eds.), St. Lucie Press, Delray Beach, FL, p. 199-223.
- 1993 Wanless, H.R. and Tedesco, L.P., Comparison of oolitic sand bodies generated by tidal versus wind-wave agitation: in Mississippi Oolites and Modern Analogs, B. Keith and C. Zuppann (eds.), American Association of Petroleum Geologists, Studies in Geology #35, Tulsa, Oklahoma, p. 199-225.
- Wanless, H.R. and Tedesco, L.P., Depositional and early diagenetic controls on texture and fabric of carbonate mud banks: in R. Rezak and D. Lavoie (eds.), Carbonate Microfabrics, Frontiers in Sedimentary Geology, Springer-Verlag, p. 41-63.

- 1992 Hine, A.C., Locker, S.D., Tedesco, L.P., Mullins, H.T., Hallock, P., Belknap, D.F., Gonzales, J.L., Neumann, A.C., and Snyder, S.W., Megabreccia shedding from low relief carbonate platforms in an active tectonic setting: Nicaraguan Rise: *Geological Society America Bulletin*, v. 104, p. 928-943.
- 1991 Tedesco, L.P. and Wanless, H.R., Generation of sedimentary fabrics and facies by repetitive excavation and storm infilling of burrow networks, Holocene of South Florida and Caicos Platform, *BWI: Palaios*, v. 6, p. 326-343.
- Tedesco, L.P. and Wanless, H.R., Fabric selective dolomitization and porosity enhancement in fine-grained shelf and bank facies: International Symposium on the Exploration and Development of Low Permeability Oil and Gas Reservoirs, Xian, Peoples Republic of China, Chapter 30, p. 342-378.
- 1989 Wanless, H.R., Tedesco, L.P., Rossinsky, V. and Dravis, J.J., Carbonate Environments and Sequences of Caicos Platform with an Introductory Evaluation of South Florida: Am. Geophysical Union, 28th International Geologic Congress Field Trip Guidebook T374, 75p.
- Tedesco, L.P. and Wanless, H.R., Role of burrow excavation and infilling in creating the preserved depositional fabric of Pennsylvanian phylloid mounds of southeastern Kansas: in Sequence Stratigraphic Interpretations and Modeling of Cyclothems, W.L. Watney, J.A. French and E.K. Franseen (eds.), Kansas Geological Society 41st Annual Field Trip, Guidebook, p. 179-192.
- 1988 Wanless, H.R. and Tedesco, L.P., Sand Biographies: *Sea Frontiers*, v. 34, p. 224-231.
- Wanless, H.R., Tedesco, L.P., and Tyrrell, K.M., Production of Subtidal Tubular and Surficial Tempestites by Hurricane Kate, Caicos Platform, British West Indies: *Journal of Sedimentary Petrology*, v. 58, p. 739-750.
- Wanless, H.R., Tyrrell, K.M., Tedesco, L.P., and Dravis, J.J., Tidal-flat sedimentation from Hurricane Kate, Caicos Platform, British West Indies: *Journal of Sedimentary Petrology*, v. 58, p. 724-738.

TECHNICAL REPORTS, GUIDEBOOKS, AND ALTERNATIVE MEDIA

- 2010 Gidley, S., Tedesco, L.P., Wilson, J.E., and Johnson, D., Using High Resolution Satellite Imagery to Map Aquatic Macrophytes on Multiple Lakes in Northern Indiana: A Case Study to Test Applicability for Management. Indiana Department of Natural Resources, Lake and Reservoir Enhancement Program Final Report, 87 p.
- 2009 Tedesco, L.P., Hall, B.E., Barr, R.C., Matzinger, A., and Morel-Fatio, A., Diffuse Trace Contaminants with Relevance for Drinking Water Production in Rural and

Semi-rural Areas, Project Aquisafe. Kompetenzzentrum Wasser Berlin (Berlin Center of Competence in Water), Berlin, Germany, 49 p.

Stouder, M., Tedesco, L.P., and Jacinthe, P-A., The Utility of Agricultural Constructed Wetlands, Project Aquisafe. Kompetenzzentrum Wasser Berlin (Berlin Center of Competence in Water), Berlin, Germany, 29 p.

Vidon, P., Tedesco, L.P., and Jacinthe, P-A., Effectiveness of Riparian Zones in Contaminant Mitigation, Project Aquisafe. Kompetenzzentrum Wasser Berlin (Berlin Center of Competence in Water), Berlin, Germany, 28 p.

Jacinthe, P-A, Vidon, P., Tedesco, L.P., B. Krause, Weigert, A., and Litz, N., Effects of Vegetation and Glyphosate on Denitrification in Constructed Wetlands – Feasibility Test of Technical Scale Experiments. Project Aquisafe. Kompetenzzentrum Wasser Berlin (Berlin Center of Competence in Water), Berlin, Germany, 25 p.

2006 Li, L., Pascual, D.L., Tedesco, L.P., Randolph, K.L., Sengpiel, R.E., Hall, B.E., and Wilson, J.S., Developing a Survey Tool for the Rapid Assessment of Blue-Green Algae in Central Indiana's Reservoirs, CEES Publication, 2006-01, Indianapolis, IN, 55 p.

2005 Tedesco, L.P., Baker, P., Barr, R.C., Casey, L.R., Salazar, K.A., Shrake, L.K., Smith, A.P., Hernly, F.V., and Hall, B.E., Use of Long-Term Research for Enhancing Water Quality in the Great Lakes Region, Field Trip Guidebook for the Great Lakes Water Quality Workshop, September, 2005, CEES Publication 2005-08, 20 p.

Tedesco, L.P., Pascual, D.L., Shrake L.K., Casey, L.R., Hall, B.E., Vidon, P.G.F., Hernly, F.V., Barr, R.C., Ulmer, J., and Pershing, D., Eagle Creek Watershed Management Plan: An Integrated Approach to Improved Water Quality, CEES Publication 2005-07, Indianapolis, IN, 181 p.

Tedesco, L.P., Barr, R.C., Hernly, F.V., Hall, B.E., and Graves, D.M., An Overview of Central Indiana Fens. US Army Corp of Engineers Field Trip Guidebook, CEES Publication 2005-06, Indianapolis, IN, 31 p.

2004 Pascual, D.L., and Tedesco, L.P., Phytoplankton Ecology of Eagle Creek Reservoir, Indiana. Central Indiana Water Resources Partnership, CEES Publication 2004-01, Indianapolis, IN, 39 p.
(http://www.cees.iupui.edu/Research/Water_Resources/CIWRP/Publications/CEES-2004-01_2003-Monitoring-Study.pdf).

Pascual, D.L., and Tedesco, L.P., Responses to Algaecide Treatment in Eagle Creek Reservoir, Indiana. Central Indiana Water Resources Partnership, CEES Publication 2004-02, Indianapolis, IN, 41 p.

(http://www.cees.iupui.edu/Research/Water_Resources/CIWRP/Publications/CEES-2004-02_2003-Algaecide-Study.pdf).

Tedesco, L.P., Hall, B.E., Shrake, L.K., and Casey, L., Eagle Creek Watershed and Reservoir and Wetland Restoration at the Starling Nature Sanctuary. EPA Source Water States Managers Meeting Field Trip Guidebook, CEES Publication 2004-03, Indianapolis, IN, 17 p.

- 2003 Tedesco, L.P., Atekwana, E.A., Filippelli, G.F., Licht, K., Shrake, L.K., Hall, B.E., Pascual, D.L., Latimer, J., Raftis, R., Sapp, D., Lindsey, G., Maness, R., Pershing, D., Peterson, D., Ozekin, K., Mysore, C., and Prevost, M., Water quality and nutrient cycling in three Indiana watersheds and their reservoirs: Eagle Creek/Eagle Creek Reservoir, Fall Creek/Geist Reservoir, and Cicero Creek/Morse Reservoir. Central Indiana Water Resources Partnership, CEES Publication 2003-01, IUPUI, Indianapolis, IN 163 p.
- 2002 Tedesco, L.P., Atekwana, E.A., Pachut, J, Barr, R.C., Hall, B.E., Hernly, F.V., and Barr, H.R., Lilly ARBOR Project: Project SEAM Ecological Field Study Experience; A Teachers Guide to the ARBOR Restoration Experiment; CEES Publication 2002-01, 71 p.
- Tedesco, L.P., Barr, R.C., Hall, B.E., and Wolfe, R., Ritchey Woods and White River: Wetland Restoration and Protection in Urban Landscapes; Association of State Wetland Managers Field Trip Guidebook, CEES Publication 2002-02, 114 p.
- 2001 Barr, R.C., Atekwana, E.A, Tedesco, L.P., Hall, B.E., Barr, H., and Hernly, F.V., An Environmental Assessment of the Ritchey Woods Natural Area: CEES Publication 01-03, 147 p.
- Tedesco, L.P., Atekwana, E.A., Barr, R.C., Hall, B.E., Field Trip to the White River Riparian Restoration Site and the Lilly ARBOR Project: 9th National Non-Point Source Monitoring Workshop: CEES Publication 01-02, 16 p.
- Tedesco, L.P., An Introduction of Southwest Florida's Natural Environment: A Guide to Accompany the 2001 Florida Keck Undergraduate Summer Research Program: CEES Publication 01-01, 97 p.
- 2000 Savarese, M., Tedesco, L.P., Shirley, M.A., Filippelli, G., and Bush, S.M., Effects of Water Control Structures on Estuaries: Florida Department of Community Affairs, Florida Coastal Zone Management Program, 115 p.
- 1999 Nelsen, T.A., Garte, G., Featherstone, C., Blackwelder, P., Hood, T., Alvarez-Zarikian, C., Swart, P., Wanless, H., Trefry, J., Metz, S., Kang, W.J., Tedesco, L.P., Capps, M.A., and O'Neal, M.A., Paleo-salinity Changes in the Lower Everglades

and Florida Bay Ecosystems: National Oceanographic and Atmospheric Administration COP/SFERPM, 20 p.

Rickabaugh, T.A., Tedesco, L.P., and Filippelli, G., The Distribution of Trace Elements and Organic Material in Surficial Sediments of Rookery Bay National Estuarine Research Reserve, Southwest Florida: Implications for Anthropogenic Contaminant Inputs: NOAA Technical Report, Grant No. NA77OR0241, 117 p.

Tedesco, L.P., An Introduction of Southwest Florida's Natural Environment: A Guide to Accompany IUPUI's 1999 Carbonate Sedimentology Field Course: CEES Publication 99-02, 87 p.

Tedesco, L.P., An Introduction of Southwest Florida's Natural Environment: A Guide to Accompany the 1999 Keck Undergraduate Summer Research Program: CEES Publication 99-03, 90 p.

Dinosaur Dig Cyber Adventure, Multimedia Cd-Rom: IBM/Worldbook Cooperative Venture with Creative Streets, Children's Museum of Indianapolis and Center for Earth and Environmental Science.

1998 Tedesco, L.P., Evaluation of the Sediment Composition and Sedimentary Dynamics of a Series of Submerged Cultural Resource Sites in the Dry Tortugas National Park: National Park Service, Santa Fe, NM, 26 p.

1996 Nelson, T.A., Zetwo, M., Klay, J., Blackwelder, P., Alvarez-Zarikian, C., Hood, T., Leal, J., Swart, P.K., Lutz, M., Wanless, H., Trefry, J., Metz, S., Kang, W.J., Tedesco, L.P., Capps, M.A., O'Neal, M.A., The Sediment Record as a Monitor of Natural and Anthropogenic Changes in the Lower Everglades/Florida Bay Ecosystem: Progress Report to NOAA's Coastal Ocean Program, 66 p.

Tedesco, L.P., Wanless, H.R., Risi, J.A., Hernly, F.V., and Liberge, T., Post-hurricane sediment redistribution and benthic community response and evolution within Biscayne Bay, the Coral Reef Platform, and the southwest Florida coast: 29-month Progress Report, Biscayne National Park Cooperative Agreement No. CA-5280-3-9018, 420 p.

1995 Tedesco, L.P., Wanless, H.R., Risi, J.A., Hernly, F.V., and Liberge, T., Post-hurricane sediment redistribution and benthic community response and evolution within Biscayne Bay, the Coral Reef Platform, and the southwest Florida coast: 24-month Progress Report, Biscayne National Park Cooperative Agreement No. CA-5280-3-9018, 380 p.

Wanless, H.R. and Tedesco, L.P., Post-hurricane sediment redistribution and benthic community response and evolution within Biscayne Bay, the Coral Reef Platform, and the southwest Florida coast: 17-month Progress Report, Biscayne National Park Cooperative Agreement No. CA-5280-3-9018, 280 p.

Tedesco, L.P., and Wanless, H.R., "H.M.S. Fowey Project: Biscayne National Park Submerged Site Stabilization, Sedimentology/Seagrass Dynamics/Bioturbation" National Park Service, 33 p.

- 1994 Wanless, H.R. and Tedesco, L.P., Post-hurricane sediment redistribution and benthic community response and evolution within Biscayne Bay, the Coral Reef Platform, and the southwest Florida coast: Semi-Annual Report, Biscayne National Park Cooperative Agreement No. CA-5280-3-9018, 23 p.

Wanless, H.R., Tedesco, L.P., Risi, J.A., Post-hurricane sediment redistribution and benthic community response and evolution within Biscayne Bay, the Coral Reef Platform, and the southwest Florida coast: Annual Progress Report, Biscayne National Park Cooperative Agreement No. CA-5280-3-9018, 460 p.

ABSTRACTS (162 total)

- In Press Tedesco, L.P., Graham, J.L., Clercin, N., and Stouder, M., Cyanobacterial Assemblages and Environmental Variables Associated with the Co-Occurrence of Cyanotoxins and Taste-and-Odor Compounds in the Midwestern United States, 9th International Conference on Toxic Cyanobacteria, Johannesburg, South Africa, August, 2013.

- 2013 Tedesco, L.P., Graham, J.L., Clercin, N., and Stouder, M., Cyanobacterial Assemblages and Environmental Variables Associated with the Co-Occurrence of Cyanotoxins and Taste-and-Odor Compounds in Midwestern Drinking-Water Supply Reservoirs, 2013 Association for the Sciences of Limnology and Oceanography, Aquatic Sciences Meeting, New Orleans, February, 2013.

Tedesco, L.P., Graham, J.L., Clercin, N., and Stouder, M., Cyanobacterial Assemblages and Environmental Variables Associated with the Co-Occurrence of Cyanotoxins and Taste-and-Odor Compounds in Midwestern Drinking-Water Supply Reservoirs, 2012 NALMS International Symposium, Madison, Wisconsin, November 2012.

- 2012 Tedesco, L.P., Graham, J.L., Clercin, N., and Stouder, M., Cyanobacterial Assemblages and Environmental Variables Associated with the Co-Occurrence of Cyanotoxins and Taste-and-Odor Compounds in Midwestern Drinking-Water Supply Reservoirs, 2012 NALMS International Symposium, Madison, Wisconsin, November 2012.

Tedesco, L.P., Graham, J.L., Clercin, N., Gray, M., and Soyeux, E., Co-Occurrence of Cyanobacterial Toxins and Taste-and-Odor Compounds in Midwestern Drinking-Water Supply Reservoirs. 8th National Water Monitoring Conference, Portland, OR, April, 2012.

Smith, A.N., Tedesco, L.P., Jacinthe, P.-A., Babbar-Sebens, M., The Effect of Hydraulic Retention Time and Flow Patch on Ntrate and Atrazine Attenuation in

a Bioretention Swale. 9th Intecol International Wetland Conference, Orlando, FL, June, 2012

- 2011 Tedesco, L.P., Graham, J.L., Clercin, N., Gray, M. and Soyeux, E., Co-Occurrence of Cyanobacterial Toxins and Taste-and-Odor Compounds in Midwestern Drinking-Water Supply Reservoirs, 2011 NALMS International Symposium, Spokane, Washington, October 2011.
- Furge B.A., Salazar, K.A., Tedesco, L.P., 2011. Creating Digital Water: Water Education for a Tech-savvy Generation. Sustaining the Blue Planet Global Water Education Conference, Bozeman, MT, September 2011.
- Salazar, K.A., Tedesco, L.P., and Barr, R.C., 2011. Advancing Urban Water Quality Education and Environmental Stewardship through Service Learning and Community Partnerships. Sustaining the Blue Planet Global Water Education Conference, Bozeman, MT, September 2011.
- Salazar, K.A., Tedesco, L.P., and Barr, R.C., 2012. Advancing Environmental Stewardship through Service Learning and Community Partnerships. National Science Teachers Conference, Indianapolis, IN, March 2012.
- Salazar, K.A., Tedesco, L.P., Barr, R.C., 2011. Fostering Environmental Restoration and Stewardship through Service-Learning. 22nd Annual Service-Learning Conference, Atlanta, GA, April 2011.
- Tedesco, L.P., Clercin, N., and Gray, M., in press. Cyanobacterial Occurrence and Toxicity in central Indiana Drinking Water Reservoirs with an Overview of Statewide Occurrence, Indiana Lake Managers Society, 23 Annual Conference, Abstracts, p. 23.
- 2010 Tedesco, L.P., Clercin, N., and Gray, M., 2010. Climate Induced Changes in Taste and Odor Production and Transported Sources Impacting Indianapolis Drinking Water Supplies, World Water Congress, International Water Association Biennial Conference, Montreal, Canada, September, 2010.
- Tedesco, L.P., Barr, R.C., and Hall, B.E., 2010. The Coupled Effects of Climate Change and Modification of Indiana's Hydrologic Cycle to Water Resources and Flooding", 4th Annual HAZUS Conference, Federal Emergency Management Agency, Indianapolis, August, 2010 (invited).
- Furge, B., Tedesco, L.P., and Salazar, K.A., 2010. Digital Water: Water Quality Monitoring for a Tech-savvy Generation. North American Association for Environmental Education 2010 Conference, Buffalo-Niagara, New York, Sept. 2010.

Tedesco, L.P., Clercin, N., and Gray, M., Microcystin Occurrence, Sources, and Transport in Indiana. 30th International Symposium, North American Lake Management Society, Oklahoma City, abstracts, p. 69.

Tedesco, L.P., Clercin, N., Cowan, A., Stouder, M., and Gray, M., 2010. Microcystin and Taste and Odor Compound Occurrence, Fate and Transport in central Indiana Surface Waters. 7th National Water Monitoring Conference, Abstracts with Program, p. 150.

Tedesco, L.P., Clercin, N., Cowan, A., and Gray, M., 2010. Cyanobacterial Occurrence and Toxicity in central Indiana Drinking Water Reservoirs with an Assessment of Statewide Occurrence. 7th National Water Monitoring Conference, Abstracts with Program, p. 151.

Tedesco, L.P., Clercin, N., and Gray, M., 2010. Cyanobacterial Occurrence and Toxicity in Indiana Lakes and Reservoirs. 31st Annual Indiana Water Resources Symposium, West Lafayette, May, 2010.

Li, L., Babbar-Sebens, M., Song, K., Tedesco, L., Bruder, S., Li, S., Xie, S., and Zhang, T., 2010. Remote Sensing of Global Warming-Affected Inland Water Quality, NASA Biodiversity and Ecological Forecasting Team Meeting, Washington, DC., May, 2010.

Li, L., Linhai, L., Tedesco, L.P., and Hall, R.E., 2010. Variations in the Specific Absorption Coefficients for Chlorophyll and Phycocyanin of Central Indiana Drinking Water Reservoirs. Assoc. Am. Geographers Annual Meeting, Washington, April, 2010.
(http://communicate.aag.org/eseries/aag_org/program/AbstractDetail.cfm?AbstractID=31529).

Soyeux, E., Tedesco, L.P., Matzinger, A., and Pagotto, C., 2010. Near Natural Mitigation Zones for Agricultural Runoff Management to Protect Drinking Water Supplies: A French-German- US Research Collaboration. Developing Partnerships for Sustainable Water management and Agriculture in the Context of Climate and Global Change, French American Agriculture and Climate Change Symposium, West Lafayette, May, 2010, Program, p. 47.

Tedesco, L.P., Clercin, N., Cowan, A., and Gray, M., 2010. Cyanobacterial Occurrence and Toxicity in Indiana. Indiana Lake Management Society, 22nd Annual Meeting, Abstracts with Program, p. 32.

Tedesco, L.P., Clercin, N., Cowan, A., and Gray, M., 2010. Cyanobacterial Occurrence and Toxicity in Midwestern Drinking Water Reservoirs. Indiana Chapter American Water Works Association Annual Meeting, Indianapolis, February 2010.

Tedesco, L.P., Barr, R.C., and Hall, B.E., 2010. Indiana's Water Resources and Challenges for Sustainable Water Quality, Indiana Chapter American Water Works Association Annual Meeting, Indianapolis, February 2010.

Cowan, A.M., Furge, B., Tedesco, L.P., and Maars, K., 2010. Teaching Middle-school Students about Algal Blooms: A program of Discovering the Science of the Environment through the NSF GK-12 Graduate Fellow Program. Am. Assoc. Advancement of Science, Annual Meeting, February, San Diego, 2010.

Tedesco, L.P., Barr, R.C., Hall, B.E., Hoffmann, J., and Neilson, B., 2010. Bioretention Swales as Urban Stormwater Best Management Practices: Design and Effectiveness. 2010 Indiana Association of Soil and Water Conservation Districts Annual Meeting, Indianapolis, IN, January, 2010.

Babbar-Sebens, M., Barr, R.C., and Tedesco, L.P., 2010. Responding to Climate and Landuse Changes: Multiobjective Optimization for Wetland Restoration Site Selection - Eagle Creek Watershed, Indiana, USA. 2010 Indiana Association of Soil and Water Conservation Districts Annual Meeting, Indianapolis, IN, January, 2010.

Hoffmann, J., and Tedesco, L.P., Regional Watershed Planning Approach Leading New Public Education Strategy. 2010 Indiana Association of Soil and Water Conservation Districts Annual Meeting, Indianapolis, IN, January, 2010.

Babbar-Sebens, M., Barr, R.C., and Tedesco, L.P., 2010. Multiobjective Optimization for Wetland Restoration Site Selection - Eagle Creek Watershed, Indiana, USA. Environmental Water Resources Institute's 3rd International Perspective on Current and Future State of Water Resources and the Environment, American Society of Civil Engineers, Chennai, India, January 5-7, 2010.

2009 Bencic, D.C., Alwan, A., Dorkin, J., Biales, A.D., Flick, R.W., Batt, A., Tedesco, L.P., and Lazorchak, J.M., Assessment of Exposure of Fish to Emerging Contaminants in the Eagle Creek Watershed. Society of Environmental Toxicology and Chemistry North America 30th Annual Meeting, New Orleans, LA, November, 2009.

Tedesco, L.P., Clercin, N., Cowan, A., and Gray, M., Cyanobacterial Ecology and Toxicity in Three Eutrophic Public Drinking Water Supply and Recreational Use Reservoirs, Central Indiana, USA. 29th Annual International Symposium, North American Lake Managers, Hartford, Ct, October, 2009.

Cowan, A.M., Tedesco, L.P., Clercin, N., and Gray, M., Eutrophication and Cyanobacterial Ecology in three Eutrophic Public Drinking Water Supply Reservoirs, Central Indiana, USA. 29th Annual International Symposium, North American Lake Managers, Hartford, Ct, October, 2009.

Furge, B.A., Tedesco, L.P., Salazar, K.A., Middle-school Environmental Education, Research Grade Technology, and the Digital Age, 38th Annual Meeting North American Association for Environmental Education, Portland, Oregon, October 2009.

Hoffmann, J.E. and Tedesco, L.P., 2009. A Regional Approach to Improved Water Resource Planning: The Upper White River Watershed Alliance. Indiana Association of Floodplain and Stormwater Managers Annual Meeting, Patoka, IN, September, 2009.

Anderson, M., Babbar-Sebens, M., Lobligois, F., Rampnoux, N., Soyeux, N., and Tedesco, L.P., 2009. Combining a conceptual hydrologic model (SWAT) and a hydrodynamic model (Telemac 3D) to simulate reservoir dynamics in Eagle Creek Reservoir, Indiana. 5th International SWAT Conference, Boulder, CO, August, 2009.

Robertson, A.L., Li, L., Tedesco, L., Wilson, J. and Soyeux, E., 2009. Using a partial least squares (PLS) method in predicting cyanobacterial pigments in eutrophic inland waters. SPIE—The International Society for Optical Engineering, Optical Engineering + Applications. San Diego, CA, August. Abstract 7454-7.

Robertson, A.L., Li, L., Tedesco, L., Wilson, J. and Soyeux, E., 2009. Comparing band ratio, semi-empirical, modified Gaussian models in predicting cyanobacterial pigments in eutrophic inland waters. UCOWR/NIWR Conference on Urban Water Management: Issues and Opportunities. Chicago, IL, July (Oral Presentation). Abstract 15-3.

Barr, R.C., Bender, A., Babbar-Sebens, M., and Tedesco, L.P., 2009. Reevaluating Indiana's Flood Management Strategies: Lessons from the Mississippi River Floods of 1993. 30th Annual Indiana Water Resources Association Symposium. May 6-8. Columbus, IN.

Tedesco, L.P., Barr, R.C., Hall, B.E., and Hernly, F.V., 2009. The Lilly ARBOR Project at 10: Results from a Long-running Experiment in Urban Riparian Restoration. First Annual Chapter Meeting of the Midwest-Great Lakes Society for Ecological Restoration Chapter. April 24 to 25, 2009, Marian College, Indianapolis, IN.

Salazar, K.A., Barr, R.C., and Tedesco, L.P., 2009. Fostering Environmental Restoration and Stewardship through Service-Learning. First Annual Chapter Meeting of the Midwest-Great Lakes Society for Ecological Restoration Chapter. April 24 to 25, 2009, Marian College, Indianapolis, IN.

Barr, R.C., Hall, B.E., and Tedesco, L.P., 2009. Climate Change and Natural Areas Restoration: What Does Predicted Climate Change Mean for Natural Areas

Restoration? First Annual Chapter Meeting of the Midwest-Great Lakes Society for Ecological Restoration Chapter. April 24 to 25, 2009, Marian College, Indianapolis, IN.

Tedesco, L.P., Vidon, P., Gray, M., and Hall, B.E., 2009. Towards An Understanding of Water Quality in a Mixed Agricultural and Urban Watershed: Eagle Creek Watershed, Indiana. 2009 USDA CSREES National Water Conference, St. Louis, February, 2009.

Turco, R., Tedesco, L.P., Prokopy, L., Wilson, J., Frankenberger, J., Shively, J., Pascual, D., Arabi, M., Oliver, A., Weinkauf, D., Spencer, A., Hall, B., Barr, R., and Webber, J., 2009. CEAP Watershed-scale Evaluation of BMP Effectiveness and Acceptability: Eagle Creek Watershed Indiana: 2009 USDA CSREES National Water Conference, St. Louis, February, 2009.

Tedesco, L.P., Hall, B.E., and Gray, M., 2009. Towards An Understanding of Water Quality in a Mixed Agricultural and Urban Watershed: Eagle Creek Watershed, Indiana. USEPA Surface Water Monitoring and Standards Meeting, Chicago, February, 2009.

<http://www.epa.gov/region5/water/wqb/presentations/tedesco.pdf>

Bencic, D.C., Alwan, A., Dorkin, J., Biales, A.D., Flick, R.W., Batt, A., Tedesco, L.P., and Lazorchak, J.M., 2009. Assessment of Exposure of Fish to Emerging Contaminants in the Eagle Creek Watershed. USEPA Surface Water Monitoring and Standards Meeting, Chicago, February, 2009.

<http://www.epa.gov/region5/water/wqb/swims.htm#3b>

Tedesco, L.P., and Hoffmann, J., 2009. A Regional Approach to Improved Water Resource Planning: The Upper White River Watershed Alliance. 2009 Indiana Lake Management Society Annual Meeting, Indianapolis, page. 55.

Smith, A.J.S., Jacinthe, P.A., and Tedesco, L.P., 2009. Nutrient Cycling in Midwestern Agricultural Wetlands in Response to Altered Hydrologic Regimes. Am. Soc. Agronomy, Annual Meeting, Pittsburg. <http://a-c-s.confex.com/crops/2009am/webprogram/Paper52430.html>

2008

Robertson, A.L., Li, L., Tedesco, L.P., Wilson, J.S., and Soyeux, E., 2008. Comparing Band Ratio, Semi-Empirical, and Modified Gaussian Models in Predicting Cyanobacterial Pigments in Eutrophic Inland Waters. *Eos Trans. AGU*, 89(53), Fall Meet. Suppl., Abstract H43K-02.

Tedesco, L.P., and Clercin, N., 2008. Cyanobacterial Ecology and Toxicity in Three Eutrophic Public Drinking Water Supply Reservoirs, Central Indiana, USA. 28th International Symposium of the North American Lake Managers Society, Alberta, Canada, November, 2008, p 103.

Salazar, K.A., Furge, B.A., and Tedesco, L.P., Discovering the Science of the Environment - Advancing Environmental Science Education through Interdisciplinary Collaboration and Strategic Planning, 37th Annual Meeting North American Association for Environmental Education, Wichita, Kansas, October 2008.

Tedesco, L.P., and Clercin, N., 2008. Blue-green Algae and Algal Toxicity: An Emerging Issue for Indiana Water Resources, Indiana Association of Floodplain and Stormwater Managers, Nashville, IN, September, 2008.

Morel-Fatio, A., Grutzmacher, G., Moreau Le-Golvan, Y., Shroeder, K., Strube, T., and Tedesco, L.P., Analysis of Source Water Contamination in Rural and Semi-rural Environments in Europe and the United States, International Water Research Association, 13th World Water Conference, Montpellier, FR, Sept. 2008.

Robertson, A.L., Li, L., Tedesco, L.P., Wilson, J.S., and Soyeux, E., 2008. Using a Modified Gaussian Model to Predict Concentrations of Blue-green Algal Pigments in Eutrophic Indiana Reservoirs. *American Society Photogrammetry and Remote Sensing*, Annual Meeting Abstract 6-1.

Tedesco, L.P., Hack, E., and Pascual, D.L., 2008. Blue-green Algae and Algal Toxicity: The Summer of Concern in Central Indiana, 2008 Midwest Aquatic Plant Management Society Conference, Sandusky, OH., March, 2008.

Tedesco, L.P., Hack, E., and Pascual, D.L., 2008. Blue-green Algae and Algal Toxicity: 2007 Summer of Concern in Central Indiana, 2008 Indiana Lake Management Society Annual Meeting, Warsaw, IN, March, 2008.

Jacinthe P.A., Tedesco, L.P., and Bills, J.S. 2008. Insights into the Dynamics of Methane In Flooded and Flood-Protected Riparian Forests. Am. Society of Agronomy, Annual Meeting, Houston, Presentation 604-1. <http://acs.confex.com/crops/2008am/webprogram/Paper42730.html>

Tedesco, L.P., Hack, E., Pascual, D.L., Barr, R.C., and Hall, B.E., 2008. Eagle Creek Watershed, Indiana: A Case Study in Balancing Watershed Planning and Stakeholder-driven Stewardship: 2008 CSREES National Water Conference, Reno, January, 2008.

Tedesco, L.P., Barr, R.C., and Hall, B.E., 2008. Towards Sustainable Water Resources for Mixed Agricultural and Urban Watersheds: 2008 CSREES National Water Conference, Reno, January, 2008.

Turco, R., Tedesco, L.P., Prokopy, L., Wilson, J., Frankenberger, J., Shively, J., Pascual, D., Arabi, M., Oliver, A., Weinkauff, D., Walker, B., Spencer, A., Hall, B., Barr, R., and Webber, J., 2008. Watershed-scale Evaluation of BMP

Effectiveness and Acceptability: Eagle Creek Watershed Indiana: 2008 CSREES National Water Conference, Reno, January, 2008.

- 2007 Johnstone, J., Vidon, P., Tedesco, L.P., and Gray, M., 2007, Nitrogen, Phosphorus and Carbon Loss Dynamics Monitoring Across Scale in Midwestern Streams: A Research Proposal: Geological Society of America, Vol. 39, No. 6, p. 472.
- Tedesco, L.P., Salazar, K.A., Baker, M.P., and Connelly, K., 2007, Integrating Technology and the Environment to Inspire Future Scientists: North American Association for Environmental Education Conference, Virginia, November, 2007.
- Hack, E., Tedesco, L.P., Pascual, D.L., Hall, B.E., and Ulmer, J., The Use of Benchmarks as a Tool for Watershed Planning and Implementation Strategies. Indiana Rivers Rally, 2007, June, 2007.
- Tedesco, L.P., Randolph, K., Pascual, D.L., Li, L., Wilson, J., and Willans, A., Hyperspectral Remote Sensing of Water Quality: A Rapid Assessment Tool for Mapping Blue-green Algae in Inland Water. Indiana Geographic Information Science Annual Meeting, March, 2007.
- Tedesco, L.P., Randolph, K., Pascual, D.L., Li, L., Wilson, J., and Willans, A., Blue-green Algae in Midwestern Reservoirs: Tools for Management and Understanding. Indiana Lake Management Society Annual Meeting, March, 2007.
- Bills, J.S., Jacinthe, P.A., Tedesco, L.P., 2007. Carbon Sequestration by Invasive Reed Canary Grass (*Phalaris arundinacea*) in a Wetland Complex. Am. Soc. Agronomy, Annual Meeting, New Orleans. Poster 324-5: <http://a-cs.confex.com/crops/2007am/techprogram/P33342.HTM>
- Jacinthe, P.A., Bills, J.S., Tedesco, L.P., and Barr, R.C., 2007. Hydro-climatic Events and Greenhouse Gas Dynamics in Riparian Forests. 4th USDA Greenhouse Gas Conference, Baltimore, abstract 213 : <http://a-c-s.confex.com/a-c-/usda/techprogram/P29334.htm>
- Tedesco, L.P., Vidon, P., Pascual, D.L., Campbell, M.A., L.R. Casey, L.R., Wilson, J., and Gray, M., The effects of small land use changes of stream water quality in mixed agricultural/urban watersheds: Eagle Creek Watershed, Central Indiana.
- 2006 Tedesco, L.P., Hernly, F.V., Graves, D., and Hall, B.E., Invited, Integrating Geologic and Landscape Data to Identify, Preserve, and Restore Midwestern Seep Wetlands. Soil Science Society of America International Meeting, Indianapolis, November, 2006, Abstracts on CD.

Jacinthe, P.A., Tedesco, L.P., and Barr, R.C., Soil Properties and Trace Gas Fluxes in a Newly Restored Riparian Forest. Soil Science Society of America International Meeting, Indianapolis, November, 2006, Abstracts on CD.

Tedesco, L.P., Barr, R.C., and Hall, B.E., Towards Sustainable Water Resources for Mixed Agricultural and Urban Watersheds. 26th International Symposium of the North American Lake Management Society, Indianapolis, IN, p. 70.

Li, L., Pascual, D.L., Sengpiel, R., Randolph, K.L., Tedesco, L.P., Hall, B.E., Wilson, J., and Moran, D., Quantifying Chlorophyll and Phycocyanin of Drinking Water Reservoirs Through GA-PLS Modeling of Hyperspectral Reflectance. 26th International Symposium of the North American Lake Management Society, Indianapolis, IN, p. 51.

Randolph, K.R., Li, L., Tedesco, L.P., Wilson, J., Pascual, L., and Moran, D., Remote Sensing of Phytoplankton Using Optically Active Pigments (Chlorophyll a and Phycocyanin) in Small, Turbid Reservoirs. 26th International Symposium of the North American Lake Management Society, Indianapolis, IN, p. 62.

Pascual, D.L., Raftis, R., Filippelli, G.M., and Tedesco, L.P., Run-off and tile drainage verses internal recycling: three year mass balance approach to understanding phosphorous loading and productivity in a small, urban reservoir, Eagle Creek Reservoir, IN, USA. 26th International Symposium of the North American Lake Management Society, Indianapolis, IN, p. 58.

Pascual, D.L., Filippelli, G.M., Tedesco, L.P., and Seillier, JM., Shifts from P- to N-limited growth conditions as indicators of nuisance blue-green bloom formation, Eagle Creek Reservoir, IN, USA. 26th International Symposium of the North American Lake Management Society, Indianapolis, IN, p. 58-59.

Sengpiel, R., Li, L., Tedesco, L.P., Wilson, J., Pasucal, D., and Moran, D., Mapping Concentration and Spatial Distribution of Cyanobacteria in Mesotrophic to Eutrophic Reservoirs Using Airborne Hyperspectral Remote Sensing Imagery. 26th International Symposium of the North American Lake Management Society, Indianapolis, IN, p. 66.

Graves, D., and Tedesco, L.P., Assessing the Role of Geologic Setting on Water Quality of Temperate Fens in the Glaciated Midwestern United States. 26th International Symposium of the North American Lake Management Society, Indianapolis, IN, p. 69.

Tedesco, L.P., Pascual, D.L., Shrake, L.K., and Hall, B.E. A Comprehensive and Straight-forward Method for Identifying and Prioritizing Restoration Sites in Eagle Creek Watershed, IN. Proceedings: Innovations in Reducing Nonpoint Source Pollution. Rivers Institute at Hanover College, p. 129-130.

Hall, B.E, Shrake, L.K., Pascual, D.L., and Tedesco, L.P. Subwatershed Contribution to an Urban Drinking Water Reservoir. Proceedings: Innovations in Reducing Nonpoint Source Pollution. Rivers Institute at Hanover College, p. 56-57.

Tedesco, L.P., Salazar, K.A., and Covitt, B., Advancing Urban Environmental Stewardship through Service Learning and Community Partnerships, 35th Annual Meeting North American Association of Environmental Educators, St. Paul, Minnesota, October, 2006.

Tedesco, L.P., and Graves, D., Assessing the Role of Geologic Setting on Water Quality of Temperate Fens in the Glaciated Midcontinent United States. Abstracts, Catchments to the Coast, Society of Wetland Scientists 27th International Conference, Cairns, Australia, p. 115.

Randolph, K., Li, L., Tedesco, L.P., Wilson, J., Pascual, D.L., Remote Sensing of Phytoplankton Using Optically Active Pigments, Chlorophyll a and Phycocyanin. 27th Annual Indiana Water Resources Association Spring Meeting, June, 2006.

Sengpiel, R., Li, L., Tedesco, L.P., Wilson, J., and Pascual, D.L., Mapping Concentration and Spatial Distribution of Cyanobacteria in Mesotrophic to Eutrophic Reservoirs Using Airborne Hyperspectral Remote Sensing Imagery. 27th Annual Indiana Water Resources Association Spring Meeting, June, 2006.

Campbell, M.A., Vidon, P., Hall, B.E., Shrake, L.K., Tedesco, L.P., and Moran, D., Impact of Changing Land-use on Water Quality in Eagle Creek Watershed, Indiana. Geological Society of America, Abstracts with Programs, v. 38, #4.

2005 Salazar, K., and Tedesco, L.P., Engaging Undergraduate Students in Urban Environmental Stewardship, 34th Annual Meeting North American Association of Environmental Educators, Albuquerque, N.M., October, 2005.

Shrake, Lora K.; Pascual, D. Lani.; Casey, Leda R.; Tedesco, Lenore P.; Hall, Bob E.; Moran, Daniel C. Determining Nutrient Contribution on a Subwatershed Scale: Eagle Creek Watershed, Central Indiana, American Water Resources Association Annual Meeting, Seattle, Nov. 2005.

Tedesco, L.P., D.L. Pascual, L.K. Shrake, and B.E. Hall, A Comprehensive and Straight-Forward Method for Identifying and Prioritizing Restoration Sites in Eagle Creek Watershed, IN. Integrated Restoration of Riverine Wetlands, Streams, Riparian Areas, and Floodplains in Watershed Contexts, Association of State Wetland Managers Annual Meeting Abstracts, Amherst, MA, p. 36.

Tedesco, L.P., Baker, M.P., Rogers, Y., Hall, B.E., Hursey, J., Hazelwood, W.R., and Salazar, K., RAPID: Remotely Accessible Personal Information Display – Bridging the Gap Between the Field and the Laboratory to Synthesize

Environmental Data and Foster Integrated and Collaborative Learning. Geological Society of America Abstracts, vol. 37(7), p. 408.

Graves, D.M., Tedesco, L.P., and Hernly, F.V., A Comparative Fen Water Quality Analysis: Implications of Stratigraphic and Land Use Influence. Geological Society of America Abstracts, vol. 37(7), p. 372.

Smith, A.P., Vidon, P.G., Tedesco, L.P., and Doss, P.K., Using High-Resolution Water Table Data as a Tool to Evaluate Restored Wetland Hydrologic Functioning. Geological Society of America Abstracts, vol. 37(7), p. 373.

Raftis, R., Pascual, D.L., Filippelli, G., Tedesco, L.P., and Gray, M., Phosphorus Mass Balance of an Urban Eutrophied Drinking Water Reservoir: Eagle Creek Reservoir, Indianapolis, Indiana. Geological Society of America Abstracts, vol. 37(7), p. 353.

Barr, R.C., Hall, B.E., Tedesco, L.P., Webber, J.J., and Hernly, F.V., The Impact of Urbanization on Basin Evolution and Isolated Wetlands: A Study from the Ritchey Woods Natural Area, Hamilton County, Indiana. Geological Society of America, Abstracts, v. 37(5), p.9.

Pascual, D.L., Johengen, T.H., Filippelli, G.M., Tedesco, L.P., and Moran, D., Cultural eutrophication of three Midwest urban reservoirs: The role of nitrogen limitation in determining phytoplankton community structure. Interagency International Symposium on Cyanobacterial Harmful Algal Blooms. September 6-10, 2005. Research Triangle Park, NC. p. 68.

Salazar, K.A. and Tedesco, L.P., Engaging Students in Urban Campus Stewardship Activities to Address Water Quality. Conference Proceedings of Extending Connections: Greening of the Campus VI, Ball State University, Muncie, IN., September 2005. Robert J. Koester, Editor, Vol. 6, p. 32.

Tedesco, L.P., Barr, R.C., Hall, B.E., Webber, J.J., and Hernly, F.V., Preserving "Isolated" Wetlands in Evolving Drainage Basins: A Study from the Ritchey Woods Natural Area, Hamilton County, Indiana. Restoration and Design of Ecosystems, 5th Annual Meeting, American Ecological Engineering Society, p. 39.

Tedesco, L.P., Sustainable Water Resources for Mixed Agricultural and Urban Landscapes. Workshop on Sustainable Approaches in Water Management, Urban Planning, and Effective and Renewable Energy Uses, Abstracts, Indianapolis, p.10.

2004

Tedesco, L.P., Baker, M.P., and Hall, B.E., An Integrated Hydrologic Monitoring Network. American Geophysical Union, Abstracts SF31A-0719, San Francisco, Dec. 2004.

Raftis, R.R., Filippelli, G.M., Tedesco, L.P., Souch, C.J., Pascual, D.L., Hernly, F.V., Hall, B.E., and Mysore, C., Phosphorus and Metal Geochemistry of Bottom Sediments in Eagle Creek Reservoir, Central Indiana. Geological Society of America Abstracts, 36(5), p. 398.

Webber, J.J., Tedesco, L.P., Hernly, F.V., and Hall, B.E., Characterization of wetland soil and sediments at Starling Nature Sanctuary, Marion County, Indiana. National Council on Undergraduate Research, Indianapolis, April, 2004.

Jackson, L.R., Tedesco, L.P., Shrake, L.K., Hall, B.E., Wilson, J.S., and Pershing, D., Effects of Land Use on Water Quality and Nutrient Loading in Eagle Creek Watershed, Central Indiana. USA. Geological Society of America National Meeting, Abstracts, 36(5), p. 492.

Salazar, K.A., Tedesco, L.P., Hernly, F.V., Hall, B.E., and Lindsey, G., The Lilly ARBOR Project: An Experiment in Urban Riparian Restoration. National Conference on Ecosystem Restoration, Orlando, Abstracts, p. 371.

Salazar, K.A., and Tedesco, L.P., Environmental Service Learning and Community Partnerships: Applying Science-Based Solutions to Urban Environmental Problems. Geological Society of America Annual Conference, Denver, Colorado, November 2004, Geological Society of America Abstracts with Programs, 36(5), p 162.

Shrake, L.K., Hall, B.E., Tedesco, L.P., Pascual, D.L., and Mysore, C., 2004. Suspended Sediment and Dissolved Load Contributions in Three Central Indiana Watersheds. Abstract Proceedings of the American Water Resources Association 2004 Annual Conference, Orlando, FL, November 1-4, 2004. Stephan J. Nix, Editor, ISBN 1-882132-66-1, TPS-04-3.

Tedesco, G.P., Salazar, K.A., Webber, J., Hernly, F.V., Hall, B.E., and McPeck, T.M., The Starling Fen Restoration Project: A university/City Park/ Corporate/ "Friends of" collaborative. Association of State Wetland Managers National Symposium, Wetlands 2004, Abstracts, p. 57.

Tedesco, L.P., Hernly, F.V., and Hall, B.E., Integrating Geologic and Landscape Data to Identify, Preserve, and Restore Midwestern Seep Wetlands, Society of Wetland Scientists, Annual Meeting, Abstracts, p.155-156.

Pascual, D.L., Johengen, T.H., Meier, P.G., Filippelli, G.M., Tedesco, L.P., and Moran, D., Cultural eutrophication of three Midwest urban reservoirs: The role of nitrogen and phosphorus in determining phytoplankton succession. American Society of Limnology and Oceanography, Annual Meeting Abstracts, p. 50.

Tedesco, L.P., and Baker, M.P., An Integrated Environmental Monitoring Network for Science Education and Discovery, Purdue University, Teaching and Learning with Technology Conference, West Lafayette, April, 2004.

Baker, M.P. and Tedesco, L.P., Smart Space Services to Support Multi-venue Science Learning, Purdue University, Teaching and Learning with Technology Conference, West Lafayette, April, 2004.

Tedesco, L.P., Hernly, F.V., and Hall, B.E., Interpreting Geologic and Landscape Data to Identify, Preserve, and Restore Seep Wetlands, Indiana GIS 2004 Conference Proceedings, Putting Indiana on the Map, Indianapolis, IN, p. 30.

2003 Salazar, K.A., Tedesco L.P., Atekwana, E.A., Swope, R.J., Pachut, J.F., Lindsey, G., Hernly, F.V., and Hall, B.E., The Lilly ARBOR Project: Promoting Science-Based Environmental Education and Outreach within an Urban Riparian Setting. Geological Society of America National Meeting Abstracts, v. 35, #6, p. 119.

Shrake, L. K.; Hall, B.E.; Tedesco, L.P.; Atekwana, E.A.; Latimer, J.C.; and Filippelli, G.M., Watershed Contribution to Three Central Indiana Reservoirs: Characterization of Suspended Sediment and Dissolved Loads. Geological Society of America National Meeting Abstracts, v. 35, #6, p. 144.

Koy, K.; Tedesco, L.P.; Pachut, J.; Licht, K.; and Savarese, M., Changes in Late Holocene Coastal Paleoenvironments in Southwest Florida as Reflected in Reef-Associated Macrofauna. Geological Society of America National Meeting Abstracts, v. 135, #6, p. 502.

Webber, J.J.; Hernly, F.V.; Tedesco, L.P.; and Hall, B.E., Characterization of wetland soil and sediments at Starling Nature Sanctuary, Marion County, Indiana. Geological Society of America National Meeting Abstracts, v. 35, #6, p. 406.

Jackson, L., Atekwana, E.A., Tedesco, L.P., and Savarese, M., Hydrologic exchange and carbon cycling in variably altered sub-tropical estuaries of Southwest Florida, USA. Geological Society of America National Meeting Abstracts, v. 35, #6, p. 284.

Raftis, R.; Filippelli, G.M.; Tedesco, L.P.; Atekwana, E.A.; Latimer, J.; Pascual, D.L., and Shrake, L., Nutrient Cycling and Water Quality in an Urban Drinking Water Reservoir. Geological Society of America National Meeting Abstracts, v. 35, #6, p. 145.

Tedesco, L.P., Atekwana, E.A., Hall, B.E., Salazar, K., Hernly, F.V., Barr, R.C., Hammond, R., and Wang, X. The Starling Fen Restoration Project. U.S. EPA Sixth Wetlands Workshop, Atlantic City, New Jersey, Abstracts, p. 15.

- 2002 Savarese, M., Tedesco, L.P., Mankiewicz, C., Lowery, L., Kitchen, C., and Roth, M., Late Holocene history of the Ten Thousand Islands: Sea level rise and its impact on southwest Florida coastal evolution. Geological Society of America National Meeting Abstracts, v. 34, p. 265.
- Shrake, L.K., Atekwana, E.A., and Tedesco, L.P., Riverine and estuarine interactions with seasonal and tidal variations: Blackwater River Estuary, southwest Florida. Geological Society of America National Meeting Abstracts, v. 34, p. 262.
- Tedesco, L.P., Savarese, M., Koy, K., and Derickson, D. Late Holocene Vermiform gastropod and oyster reef development and their relation to coastal evolution in southwest Florida. Geological Society of America National Meeting Abstracts, v. 34, p. 356.
- Tedesco, L.P., Atekwana, L.P., Lindsey, G., Barr, R.C., and Hall, B.E., The Lilly ARBOR Project: An Experiment in Urban Riparian Restoration. U.S. EPA 5th Wetlands Workshop, New Jersey, Abstracts, p. 4.
- Atekwana, E.A., Tedesco L.P., Barr, R.C., Wingate, J. and Hall, B.E., Identification of Water Sources of Wetlands in Headwater Catchments in Glaciated Terrains Using Stable Carbon Isotopes. Association of State Wetland Managers National Symposium, Wetlands 2002, Indianapolis, IN October 2002.
- Barr, R.C., Tedesco, L.P., Atekwana, E.A., Hall, B.E. and Barr, H.M., Stream Channel Adjustment and Wetland Loss, Cheeney Creek Watershed, Indiana. Association of State Wetland Managers National Symposium, Wetlands, 2002, Indianapolis, IN October 2002.
- Tedesco, L.P., Atekwana, E.A., Lindsey, G., Barr, R.C., and Hall, B.E., The Lilly ARBOR Project: Testing Strategies for Urban Riparian Restoration. Association of State Wetland Managers National Symposium, Wetlands, 2002, Indianapolis, October 2002.
- Atekwana, E.A., Tedesco L.P., Barr, R.C., Wingate, J. and Hall, B.E., Carbon Isotopes as a Tool to Identify Water Sources of Wetlands in Headwater Catchments in Glaciated Terrains. Society of Wetland Scientists 23rd Annual Conference, Lake Placid, NY, Abstracts, p. 66.
- Tedesco, L.P., Atekwana, E.A., Lindsey, G., Barr, R.C., and Hall, B.E., The Lilly ARBOR Project: Testing Strategies for Riparian Restoration. Society of Wetland Scientists 23rd Annual Conference, Lake Placid, NY, Abstracts, p. 159.
- Jackson, L., Atekwana, E.A., and Tedesco, L.P., A Comparative Study of Hydrologic Exchange in Sub-tropical Estuaries, Southwest Florida, USA. Keck Undergraduate Research Symposium, Amherst College, April, 2002.

Lowery, L.E. Potter, D., and Tedesco, L.P., Sedimentary Evidence of Coastal Response to Holocene Sea Level Change, Blackwater Bay, Southwest Florida. Keck Undergraduate Research Symposium, Amherst College, April, 2002.

Roth, M.J., Tedesco, L.P., and Ebert, J.R., Holocene stratigraphy and evidence of transgression in the Ten Thousand Islands, Southwest Florida: GSA Abstracts with Programs Vol. 34, No. 1, March 2002.

Savarese, M., Tedesco, L.P., Mankiewicz, C., and Shrake, L., Late Holocene sea level rise in southwest Florida: Implications for estuarine management and coastal evolution: Keck Undergraduate Research Symposium, Amherst College, April, 2002.

Barr, R.C., and Tedesco, L.P., Environmental Service Learning at IUPUI, 2002 E. C. Moore Symposium on Teaching Excellence, IUPUI.

2001

Atekwana E., Tedesco L., Shrake L. and Savarese, M. (2001). Identifying hydrologic sources and mixing of estuarine water using dissolved inorganic carbon (DIC): An Example from the Blackwater River Estuary Southwest Florida, USA. 16th Biennial Conference of the Estuarine Research Federation. Abstract volume, p. 7.

Barr, R.C., Tedesco, L.P., Atekwana, E.A., Barr, H.M., Hall, B.E., and Hernly, F.V., Beaver (*Castor Canadensis*) and the Preservation and Expansion of Wetlands at the Ritchey Woods Natural Area, Hamilton County, Indiana: Society of Wetland Scientists National Meeting, Abstracts, p. 5.

Hammermeister, S., Tedesco, L. P., Savarese, M., Shirley, M.A., Filippelli, G.M., Thurston, S.M., and Stoffel, H.E., 2001. Effects of water control structures on the ecology and sedimentology of estuaries in Southwest Florida. 16th Biennial Conference of the Estuarine Research Federation. Abstract volume, p.56.

Obley, S.P., Savarese, M. and Tedesco, L.P., 2001. The influence of sea level rise on the history of estuarine environments in southwest Florida. 16th Biennial Conference of the Estuarine Research Federation. Abstract volume, p. 102.

Shrake, L.K., Atekwana, E.A., Tedesco, L.P., and Savarese, M., 2001, Dry season hydrologic mixing in estuaries for different tidal stages: Blackwater River, Southwest Florida, USA: Geological Society of America, Abstracts with Program, v. 33, #6, p. A183.

Tedesco, L.P., White River Experimental Restoration Program: Real Science for Student Discovery: Hoosier Association of Science Teachers, 31st Convention, February 7-9, 2001.

Tedesco, L.P., Barr, R.C., Atekwana, E.A., Lindsey, G., and Hall, B.E., The Lilly ARBOR Project: An Ecological Restoration Program for an Urban Waterfront: Society of Wetland Scientists National Meeting, Abstracts, p. 65.

Tedesco, L.P., and Lindsey, G., The Lilly ARBOR Project: University-Corporate Collaboration in Riparian Restoration: The Practice of Restoring Native Ecosystems National Conference; The National Arbor Day Foundation, November, 2001.

2000

Arthur, J.A., Tedesco, L.P., Souch, C., and Pachut, J.F., Characterization of Hurricane Sedimentation Using Pollen Assemblages in High-Resolution Sediment Cores From Oyster Bay, South Florida, Geological Society of America, North-Central Section, Abstracts with Programs, v. 32, #4, p. A-2.

Atekwana, E.A., Jackson, L.R. and Tedesco, L.P., Inorganic Carbon Cycling and Tidal Mixing in a Subtropical Estuary, Florida, USA: Geological Society of America Abstracts with Programs, Reno NV, vol. 32 #7, p. A438.

Barr, R.C., Hall, B.E., and Tedesco, L.P., Expansion of an Urban Wetland Complex by Beaver: Geological Society of America, North-Central Section, Abstracts with Programs, v. 32, #4, p. A-3.

Barr, R. C., Tedesco L. P., Atekwana, E. A., and Hall, B. E., The White River Experimental Restoration Project: Indiana Academy of Science Annual Meeting Abstracts, p. 53.

Boettner, A.R., Tedesco, L.P., and Filippelli, G.M., Geochemical Characteristics in Marginal Marine Sediments from the Ten Thousand Islands/Rookery Bay Area of Southwest Florida, Geological Society of America, North-Central Section, Abstracts with Programs, v. 32, #4, p. A-4.

Hall, B.E., Wilson, J. S., Barr, R.C., Souch, C., Tedesco, L.P. and Lindsey, G. Changes in the Natural Environment of Marion County Between the Time of European Settlement (ca. 1820) and the Present (1997). Association of American Geographers, Pittsburgh, PA, April 2000.

Mankiewicz, C., Savarese, M., and Tedesco, L.P., Watershed dynamics, Southwestern Florida. Thirteenth Keck Research Symposium in Geology 2000, Proceedings, p. 169-174.

Novakowski, K.I., Marshall, J.S., and Tedesco, L.P., Barrier Island Accretion and Geomorphologic Evolution of Keewaydin Island, Collier County, Florida: Geological Society of America, Northeastern Meeting, March, 2000.

Obley, S.P., Lucas, M.P., Mallon, J.C., Hammermeister, S., Savarese, M., and Tedesco, L.P., Recent sedimentologic and sea level history of Estero Bay: Implications for the geomorphic evolution of the southwest Florida coast:

Geological Society of America, Southeastern Meeting, Abstracts, v. 32 (2), p. A65.

Savarese, M., Tedesco, L.P., Mankiewicz, C., and Lytton, G.D., Estuarine Science, Management, & Restoration: A Model for Interdisciplinary Collaborative Undergraduate Research: Geological Society of America, Abstracts with Programs, Reno NV, vol. 32 #7, p. A490.

Savarese, M., Tedesco, L.P., Mankiewicz, C., and Lytton, G.D., Undergraduate Collaborative Research Expeditions: Serving The National Estuarine Reserve's Research and Educational Missions: National Estuarine Research Reserve Association, Fall 2000 Meeting, Williamsburg, VA, Roundtable #3, p. 2.

Tedesco, L.P. Souch, C., Pachut, J.F., and O'Neal, M.A., Using Transported Pollen to Determine Freshwater Flow in the Shark River Slough, Everglades National Park: Geological Society of America, North-Central Section, Abstracts with Programs, v. 32, #4, p. A-64.

Wanless, H.R., Tedesco, L.P., and Hall, B.E., Mapping South Florida in 2100: Rapid Transgression of Coastal Wetlands: Geological Society of America, North-Central Section, Abstracts with Programs, v. 32, #4, p. A-66.

Wanless, H.R., Tedesco, L.P. and Hall, B.E., Major Storm Events as Indicators of Coastal Evolution in Times of Rising Sea Level: Coasts at the Millennium, Proceedings 17th International Conference, The Coastal Society, Portland, OR, p. 721.

Wanless, H.R., Oleck, P., Tedesco, L.P., and Hall, B.E., The next 100 Years of Evolution of the Greater Everglades Ecosystem in Response to Anticipated Sea Level Rise: Nature, Extent and Causes: Greater Everglades Ecosystem Restoration Science Conference, Naples, December, 2000.

Willman, C.M., and Tedesco, L.P., Effects of Water Control Structures on Sediment Characteristics and Channel Morphology in an Estuarine System: Geological Society of America, North-Central Section, Abstracts with Programs, v. 32, #4, p. A-67.

Willman, C.M. and Tedesco, L.P., Effects of water control structures on sediment characteristics and channel morphology in estuarine systems in southwest Florida: Thirteenth Keck Research Symposium in Geology 2000, Proceedings, p. 211-215.

1999 Barr, R.C., Bacone, J.A., Campbell, R.K., Hall, B.E., Wilson, J.S., Souch, C., Tedesco, L.P., Brothers, T.S., and Lindsey, G., Changes in the Natural Environment of Marion County Between the Time of European Settlement (ca. 1820) and the Present (1997): Indiana Academy of Science, 115th Annual Meeting, November 4-5, 1999, Programs and Abstracts, p. 46.

Nelsen, T.A., Garte, G., Featherstone, C., Blackwelder, P., Hood, T., Alvarez-Zarikian, C., Swart, P., Wanless, H.R., Tedesco, L.P., Souch, C., Pachut, J., Arthur, J., Understanding long-term rainfall, freshwater flow and salinity patterns with concomitant responses of benthic microfauna, stable isotopes, and pollen in Oyster and Florida Bays: Florida Bay and Adjacent Marine Systems Science Conference, Key Largo, Florida, November, Abstracts, p. 189-190.

Tedesco, L.P., Souch, C., Pachut, J.F., O'Neal, M.A., and Arthur, J.M., A Century of Shark River Flow As Determined From A Transported Pollen Record: Estuarine Research Federation Biannual Convention, New Orleans, Abstracts, p. 102.

Tedesco, L.P., Souch, C., Pachut, J., Arthur, J.A., Wanless, H.R., Hood, T., Blackwelder, P., Alvarez-Zarikian, C., Trefry, J., Kang, W.J., Metz, S., and Nelsen, T.A., The Signature of Hurricane Sedimentation in the Lower Everglades/Florida Bay Ecosystem: Recognition of Sedimentologic, Geochemical and Microfaunal Indicators: Florida Bay and Adjacent Marine Systems Science Conference, Key Largo, Florida, November, Abstracts, p. 194-195.

Wanless, H.R., Tedesco, L.P. and Hall, B.E., Historical Changes in Mangrove, Seagrass and Calcareous Algal Communities in South Florida: Florida Bay and Adjacent Marine Systems Science Conference, Key Largo, Florida, November, Abstracts, p. 213-215.

1998 Boettner, A.R., Tedesco, L.P., and Filippelli, G.M., Sediment geochemistry in coastal and wetland sediments of southwest Florida: Geological Society of America, Abstracts, v. 30, No. 7, p. A-82.

Hood, T., Alvarez-Zarikian, C., Blackwelder, P., Swart, P., Nelsen, T.A., Wanless, H.R., Trefry, J.H., Kang, W.J., Tedesco, L.P., and O'Neal, M.A., The sediment record as a monitor of natural and anthropogenic changes in the Lower Everglades/Florida Bay Ecosystem: Florida Bay Science Conference, Miami.

Nelsen, T.A., Wanless, H.R., Blackwelder, P., Hood, T., Alvarez-Zarikian, C., Swart, P., Trefry, J.H., Kang, W.J., Tedesco, L.P., and O'Neal, M.A., The sediment record as a monitor of natural and anthropogenic changes in the Lower Everglades/Florida Bay Ecosystem: ASLO/ESA, St. Louis, Mo.

Tedesco, L.P., Halvorsen, H.E., and Cooper, K., Mass Mortality of a Herd of Hadrosaurs: Lance Creek Formation, East-Central Wyoming: Dinofest International Symposium, Philadelphia Academy of Sciences, Abstracts, p. 60.

Rickabaugh, T.A., Tedesco, L.P., Filippelli, G.M., and Savarese, M., Geochemistry of surficial sediments of Rookery Bay National Estuarine Research

Reserve, Southwest Florida: Implications for anthropogenic inputs, Am. Geophysical Union, EOS, v. 79(1), p. OS123.

O'Neal, M.A., Tedesco, L.P., Pachut, J.F., and Souch, C., A surface pollen zonation of southwestern Florida using multivariate statistical methods. Everglades National Park, South Florida Ecosystem Restoration Program, Paleoecology Workshop, Key Largo, Florida.

1997 O'Neal, M.A., Tedesco, L.P., Pachut, J.F., and Souch, C., Multivariate statistical delineation of surface pollen communities in southwestern Florida: Geol. Soc. Am. Annual Mtg., Salt Lake City, Abstracts, v. 29, p. A96.

Tedesco, L.P., and Wanless, H.R., The stability of coastal wetlands of south Florida: The role of sea level and major hurricanes: Estuarine Research Federation Annual Convention, Rhode Island, Abstracts, p. 181.

Rickabaugh, T.A., Tedesco, L.P. Savarese, M., and Filippelli, G.M., The distribution of trace elements and organic matter in surficial sediments of Rookery Bay National Estuarine Research Reserve, Southwest Florida: Implications for Anthropogenic Contaminant Inputs, Estuarine Research Federation Annual Convention, Rhode Island, Abstracts, p. 153.

Wanless, H.R., Tedesco, L.P., Risi, J.A., and Nelsen, T., Occurrence and character of stratification in carbonate mudbanks in south Florida: Geol. Soc. Am. Annual Mtg., Salt Lake City, Abstracts, v. 29, p. A111.

Filippelli, G.M., Tedesco, L.P., Barth, A., Clark, D., Carnahan, J., Belt, B., Hernly, V., Latimer, J., Laidlaw, M., Pace B., Zbieskowski, D., Corbin, M., Belt, S., Lake sedimentation and climate in southern California through the Holocene: Dry Lake, San Bernadino Mountains, Am. Geophysical Union, Baltimore, Abstracts, v. 78, p. S171.

1996 Tedesco, L.P., Capps, M.A., and O'Neal, M.A., The sediment record as a monitor of natural vs. anthropogenic change in the Everglades/Florida Bay ecosystem: the pollen record, 1996 Florida Bay Science Conference, Key Largo, Abstracts, Posters.

Nelson, T.A., Zetwo, M., Wanless, H., Blackwelder, P., Swart, P.K., Hood, T., Alvarez-Zarikian, C., Trefry, J., Metz, S., Kang, W.J., Trocine, R., Tedesco, L.P., Capps, M.A., O'Neal, M.A., The sediment record as a monitor of natural and anthropogenic changes in the Lower Everglades/Florida Bay ecosystem: A high resolution study, 1996 Florida Bay Science Conference, Key Largo, Abstracts, p. 62-65.

Tedesco, L.P., Risi, J.A., Wanless, H.R., and Hernly, F.V., The evolution of shallow marine environments of south Florida following Hurricane Andrew: Geol. Soc. Am. Annual Mtg., Denver, Abstracts, p. A274.

Locker, S.D., Hine, A.C., Tedesco, L.P., and Shinn, E.A., Magnitude and timing of episodic sea-level rise during the last deglaciation: Geol. Soc. Am. Annual Mtg., Denver, Abstracts, p. A396.

Wanless, H.R., Tedesco, L.P., Dravis, J.J., and Hine, A.C., Facies geometries of shallowing upwards sequences associated with leeward-margin sediment wedges, Caicos Platform, British West Indies: 30th International Geological Congress, Beijing, China, Abstracts, v. 2, p. 208.

Wanless, H.R., Tedesco, L.P., Bischof, B., Risi, J.A., and Smith, T., Post-event subsidence: A dominating control on mangrove community evolution following major hurricanes: 30th International Geological Congress, Beijing, China, Abstracts, v. 2, p. 150.

Tedesco, L.P., Depositional sequences, paleoenvironmental setting, and preservation potential: Lower Cretaceous Glen Rose Formation, Central Texas: Dinofest International Symposium Abstracts, Ed. D. Wolberg and E. Stump, Tempe, AZ, p.107.

1995 Wanless, H.R., Tedesco, L.P., Smith, T., Bischof, B., Risi, J.A., and Smith, T., Post-Event Subsidence: A Dominating Control on Mangrove Community Evolution Following Major Hurricanes, Geol. Soc. Amer., New Orleans, Abstracts, v. 27, p. A452.

Wanless, H.R., Nelsen, T.A., Tedesco, L.P., Trefry, J.H., Blackwelder, P.L., and Risi, J.A., Documenting the Styles of Sedimentation and Contained Historical Sedimentary Record in Shallow Marine Environments in and Adjacent to Florida Bay, South Florida, Florida Bay Science Conference: Report of Principal Investigators, Gainesville, Florida, October 17-18, 1995, Abstracts, p. 114-117.

Tedesco, L.P., Locker, S.D., and Hine, A.C., Multiple Submerged Aeolian Strandplains Along the Southern Florida Continental Margin, SEPM Sedimentary Congress on Linked Earth Systems, St. Petersburg, Abstracts, v. 1, p. 121.

Wanless, H.R., Tedesco, L.P., Smith, T., Bischof, B., and Risi, J.A., Controls on Mangrove Community Recovery or Evolution Following Major Hurricanes, SEPM Sedimentary Congress on Linked Earth Systems, St. Petersburg, Abstracts, v. 1, p. 126.

Tedesco, L.P. and Wanless, H.R., Refined Paleoenvironmental Interpretation of Mississippian Oolites: Am. Assoc. Petrol. Geol. Ann. Mtg., Houston, March, 1995, p. 95A.

- 1994 Tedesco, L.P., and Wanless, H.R., Stability of south Florida coastlines: The role of sea level and major hurricanes: 7th Symposium on the Geology of the Bahamas, San Salvador, Bahamas, June 16-20, p. 34.
- Tedesco, L.P. Wanless, H.R., and Risi, J.A., Response of coastal and shallow marine environments of south Florida to Hurricane Andrew: 22 months of recovery?: 7th Symposium on the Geology of the Bahamas, San Salvador, Bahamas, June 16-20, p. 35.
- Tedesco, L.P., Vertical fluxes resulting from bioirrigation: the significant effect of deep burrowing arthropods: *Bull. Mar. Sci.*, v. 54 (3), p. 1086.
- Wanless, H.R., Tedesco, L.P., Cottrell, D., and Tagett, M.G., Holocene environmental history of carbonate banks in Florida Bay and Biscayne Bay, south Florida, *Bull. Mar. Sci.*, v. 54 (3), p. 1087.
- Tedesco, L.P., Wanless, H.R., Risi, J.A., and Gelsanliter, S., Stability of Everglades coastlines: The role of sea level and major hurricanes: *Geol. Soc. Amer. Abstracts with Programs*, 1994 Annual Meeting, Seattle, October, 1994, v. 26, No. 7, p. A-65.
- Risi, J.A., Wanless, H.R., Gelsanliter, S., and Tedesco, L., Post-Event Sedimentation: *Geological Society America Abstracts with Programs*, 1994 Annual Meeting, Seattle, October, 1994, v. 26, No. 7, p. A-65.
- 1993 Tedesco, L.P., Wanless, H.R., and Scusa, L.A., Impact of Hurricane Andrew on sandy coastlines and shallow marine banks of south Florida: Invited Symposium on Large Storms, Geological Society of America, Southeastern Section Meeting, Abstracts, v. 25, p.73.
- Wanless, H.R. and Tedesco, L.P., Wind transport and damage by Hurricane Andrew: Invited Symposium on Large Storms, Geological Society of America, Southeastern Section Meeting, Abstracts, v. 25, p.75.
- 1992 Tedesco, L.P., Hine, A.C., Neumann, A.C., and Hallock, P., Petrology of platform and slope limestones: Bawihka Platform and Channel, Nicaraguan Rise, Western Caribbean Sea: *Am. Assoc. Petroleum Geologists Annual Mtg.*, Abstracts, Calgary, p. 130.
- Tedesco, L.P., Wanless, H.R., and Abel, P.M., Variability of ooid grain form and internal microstructure: A response to energy level of the formational environment: *Geol. Soc. Am. Annual Mtg.*, Abstracts, v. 24, Cincinnati, p. A350-351.

Wanless, H.R., and Tedesco, L.P., Paleoenvironmental setting of Paleozoic mud mounds: Geol. Soc. Am. Annual Mtg., Abstracts, v. 24, Cincinnati, p. A141-142.

Wanless, H.R., Tedesco, L.P., Hine, A.C., and Dravis, J.J., Facies geometries of shallowing-upwards sequences associated with leeward-margin sediment wedges, Caicos Platform, British West Indies: Am. Assoc. Petroleum Geologists Annual Mtg., Abstracts, Calgary, p. 137.

Tedesco, L.P., Vertical fluxes resulting from bioirrigation: the significant effect of deep burrowing arthropods: Symposium on Florida Keys Regional Ecosystem Abstracts, Rosenstiel School of Marine and Atmospheric Science and the University of Miami, Miami, Florida, Abstracts, p. 76.

Wanless, H.R., Tedesco, L.P., Cottrell, D., and Tagett, M.G., Holocene environmental history of carbonate banks in Florida Bay and Biscayne Bay, South Florida: Symposium on Florida Keys Regional Ecosystem Abstracts, Rosenstiel School of Marine and Atmospheric Science and the University of Miami, Miami, Florida, Abstracts, p. 82.

1991 Tedesco, L.P. and Wanless, H.R. Fabric selective dolomitization and porosity enhancement in fine-grained shelf and bank facies: International Symposium on the Exploration and Development of Low Permeability Oil and Gas Reservoirs, Xian, Peoples Republic of China.

Tedesco, L.P., Aller, R.C., and Wanless, H.R., 210-Pb chronology of sequences affected by burrow excavation and infilling: Geol. Soc. America, Ann. Mtg., Abstracts, v. 23, San Diego, p. A225.

Wanless, H.R. and Tedesco, L.P., A re-evaluation of Mississippian mud mounds based on their internal stratigraphy: Geol. Soc. America, Ann. Mtg., Abstracts, v. 23, San Diego, p. A226.

1990 Hine, A.C, Locker, S.D., Mullins, H.T., Tedesco, L.P., and Hallock, P. Multiple megabreccia shedding from low-relief carbonate platforms in an active tectonic setting: Nicaraguan Rise, SW Caribbean Sea: Am. Assoc. Petroleum Geologists Ann. Convention Abstracts, San Francisco, p. 102.

Tedesco, L.P. and Wanless, H.R. Role of burrow excavation and infilling in creating the preserved depositional fabric of the core facies of modern and Paleozoic mud mounds: International Assoc. of Sedimentologists Ann. Mtg., Nottingham, England, Posters, p. 214.

Tedesco, L.P. and Wanless, H.R. Biogenic generation, transformation and destruction of sedimentary facies by excavation and catastrophic infilling of burrow networks: International Assoc. of Sedimentologists Ann. Mtg., Nottingham, England, Papers, p. 546.

Wanless, H.R., Cottrell, D.J., Tagett, M.G., Tedesco, L.P., and Warzeski, E.R. Origin and growth of carbonate mud banks in south Florida: a reevaluation: International Assoc. of Sedimentologists Ann. Mtg., Nottingham, England, Abstracts, Papers, p. 588.

Wanless, H.R. and Tedesco, L.P. Ooids: an expanded model for petrologic form, genesis and sediment body geometry: International Assoc. Sedimentologists Ann. Mtg., Nottingham, England, Abstracts, Papers, p. 587-588.

Wanless, H.R. and Tedesco, L.P. Depositional and early diagenetic controls on fabrics and porosity of carbonate mudbanks: Carbonate Microfabrics Symposium and Workshop, NOARL/TAMU, College Station, Abstracts, p. 19.

Wanless, H.R. and Tedesco, L.P. Comparative facies analysis of oolitic sandbodies generated by tide versus wind agitation: Geol. Soc. America Ann. Mtg. Abstracts, Dallas, Tx, p. A131-A132.

1989 Tedesco, L.P. and Wanless, H.R., Biogenic generation, transformation and destruction of sedimentary facies: 28th International Geological Congress, Washington, D.C., Abstracts, v. 3, p. 224-225.

Tedesco, L.P. and Wanless, H.R., The depositional sequences of phylloid mounds: A reappraisal: Geol. Soc. America Ann. Mtg., Abstracts, St. Louis, p. A292.

Wanless, H.R., Tedesco, L.P., Dravis, J.J., and Emerson, J.D., Alternate models of Bahamian platform carbonate sedimentation: Caicos Platform, British West Indies: 28th International Geological Congress, Washington, D.C., Abstracts, v. 3, p. 331-332.

Wanless, H.R., Tedesco, L.P., and Dravis, J.J., An expanded model for ooid form and genesis: Caicos Platform, British West Indies: Am. Assoc. Petrol. Geol. Bull., v. 73, p. 1041.

1988 Tedesco, L.P. and Wanless, H.R., Paleoenvironmental reconstruction of Paleozoic mud mounds: A reinterpretation based on modern burrow infill fabrics: Geol. Soc. America, Ann. Mtg., Denver, Abstracts with program, v. 20(7), p. A211.

1987 Wanless, H.R., and Tedesco, L.P., Burrow-generated sedimentary sequences: An example from the Glen Rose Formation, Lower Cretaceous, Austin, Tx.: Soc. Econ. Paleontologists Mineralogists Midyear Mtg., Austin, IV, p. 88-89.

Wanless, H.R., Tyrrell, K.M., and Tedesco, L.P., Hurricane-dominated carbonate tidal flats, Caicos Platform, British West Indies: Am. Assoc. Petroleum Geologists Bull., 71, p. 625.

- 1986 Tedesco, L.P., Wanless, H.R., and Tyrrell, K.M., Tabular and Tubular Tempestite Deposits from Hurricane Kate, Caicos Platform, British West Indies: Soc. Econ. Paleontologists Mineralogists, Ann. Midyear Mtg., Raleigh, 3, p. 108.

SERVICE

PROFESSIONAL:

- State of Indiana, Natural Resource Conservation Service, State Technical Committee, 2009-present
- State of Indiana, Department of Environmental Management, Nutrient Technical Advisory Group, 2009 – present
- State of Indiana, Department of Agriculture, Technical Advisory Group, 2009 – present
- Indiana State Water Monitoring Council Board of Directors, Founding Member, 2008 - present
- City of Indianapolis Indy Greenprint Commission, Commissioner, Mayoral Appointee Bart Peterson, 2007 – 2010.
- City of Indianapolis, Clean Stream Team Advisory Board, 2007 - present
- State of Indiana Water Pollution Control Board, Department of Environmental Management, Wetland Science Advisory Group, 2004 – 2008.
- State of Indiana Solid Waste Management Board, Gubernatorial Appointee Joseph Kernan, 2003-present
- Indiana Water Resource Research Center, Board of Directors, 2004 – present
- Veolia Water Indianapolis Technical Advisory Board, 2003 – present
- Science Education Foundation of Indiana, Board of Directors, 2005 – 2008
- Upper White River Watershed Alliance, Board of Directors, 2004 – present
- Upper White River Watershed Alliance, President, 2006, 2007, Vice-President 2008, 2009
- Indiana Geological Map Advisory Committee, 2005 – 2009
- Society of Wetland Science, North-Central Chapter, Program Committee, 2006-2007
- North American Lake Management Society International Symposium, Program Committee and Session Chair, 2006
- State of Indiana Wetland Task Force, Gubernatorial Appointee Frank O'Bannon, 2004
- Indiana Water Resources Association Annual Meeting Steering Committee, 2004
- Indiana Science Education Alliance Work Group, 2003 - 2004
- Tomorrow's Indiana Advisory Committee, Indiana State Museum, 2002 – 2004
- Association of State Wetland Managers, Wetlands 2002, Conference Local Area Planning Committee, 2002
- Environmental Advisor, Indiana State Museum, 2001 - 2002
- Science Advisor, Children's Museum of Indianapolis – 1997 – 2002
- Science Advisor, Earth Museum, Minneapolis, MN – 1997 – 2001
- Science Advisor, Creative Streets, Inc. – 1999 - 2001
- Geological Society of America, Sedimentary Geology Section, Nominating Committee - 1997

Rookery Bay National Estuarine Research Reserve Graduate Fellowship Review
Panel - 1997
Geological Society of America National Meeting, Session Chair, 1996, 2001
National Science Foundation, Proposal Reviewer, 1995-present
National Science Foundation, Panelist, 2005
National Oceanographic and Atmospheric Administration, Proposal Reviewer,
1995-1996
William C. Brown Publishers, Textbook Reviewer, 1994, 1998, 2000
Prentice Hall, Textbook Reviewer, 1999
Manuscript Reviewer, Journal of Sedimentary Research, 1997, 1998, 1999, 2000
Manuscript Reviewer, Journal of Geoscience Education, 2002, 2004, 2005
Manuscript Reviewer, Lethia, 2006
Textbook Reviewer, Green Teacher, 2005

UNIVERSITY LEVEL:

Campus Sustainability Initiative Steering Committee, Chair, 2005 – present
Permanent Reviewer, University Research and Sponsored Programs Grant
Program, 2008 - present
Council on Civic Engagement, 2004 - 2007
Center for Research and Learning, Board of Directors, 2004 – 2009.
University Centers Advisory Committee, 2002 – 2007
Faculty Learning Community on Civic Engagement, 2004-2005
Civic Engagement Task Force, 2002- 2004
School of Medicine's Task Force on Bioterrorism, 2002 - 2003
Task Force on Conflicts of Interest, 2002 - 2003
Taylor Symposium Planning Committee, School of Liberal Arts, 2002-2003
Campus Campaign 2000 Steering Committee, 2000- 2001
Geographic Information Science Task Force, 2000-2001
Interdisciplinary Post-Baccalaureate Committee, 1997 - 1999
White River State Park/ IUPUI Cooperative Partnership
Education Development Committee, 1996 - 1997
Gallery Subcommittee, 1996
Environmental Focus Group, Chair, 1996 - 1997
Writing To Learn Project Participant, 1995-1997
College Consolidation Planning Committee, Faculty Affairs Task Force,
1995-1996
Administrative Review Committee, School of Science Dean, 1995-1996
Advising Committee, Search & Screen, University Library, 1994-1995

SCHOOL OF SCIENCE:

School of Science Signature Center's Taskforce, 2010 - present
Bachelor's of Science in Environmental Science, Program Director, 2006- present
Technology Committee, 1993 – present
Strategic Planning Administrative Committee, 2007
Search and Screen, Major Gifts Officer, 2005
Search and Screen, Associate Dean for Academic Affairs, 2004

Graduate Affairs Committee, 1995 - 2004
 Academic Appeals Committee, Chair, 1995-1996
 Search and Screen - Network Engineer, 1994
 Library Committee, 1993

DEPARTMENT:

Search and Screen (Chair), Hydrologist, 2011
 Search and Screen (Chair), Hydrologic Modeling, 2008
 Environmental Science Curriculum Committee, 2005 - present
 Undergraduate Curriculum Committee, 2005 - present
 Graduate Program Committee, Chair, 1995 – 2004
 Technology, Equipment, Space Committee, Chair, 1997 – 2006
 Primary Committee, 1997 – present
 Search and Screen for Hydrology and Remote Sensing, 2004
 Graduate Research Forum, Chair, 1996 – 2003
 Associate Chair, 1998 – 2001
 Search and Screen for Geophysics, 2001
 Department/CEES Coordination Committee, 1998
 Publicity Committee, Chair, 1994 – 1999
 Administrative Reorganization Committee, 1997- 1998
 Undergraduate Program Committee, 1996 - 1997
 Technology Advisory Board, Chair, 1996 - 1997
 Course Review Committee 1995-1997
 G109, G110, G206, G209, G221, G222, G304, G323
 External Education Committee, Chair, 1996 - 1997
 Internship Development Committee, 1995 – 1996
 Search and Screen for Hydrologist, 1997-1998
 Search and Screen for Environmental Geologist (2 positions), 1996
 Search & Screen for Environmental Geologists (2 positions), 1994
 Search & Screen for Laboratory Coordinator, 1994

CENTER FOR EARTH AND ENVIRONMENTAL SCIENCE (CEES):

CEES Director, 1999 - present
 CEES Associate Director, 1998 – 1999
 Chief Financial Officer
 Educational Programs Coordinator
 CEES Executive Committee, 1997 - 1999
 Publicity Committee, Chair, 1997 – 1999
 CEES Advisory Board, 1996 - 1997
 Research Subcommittee, 1997
 CEES Development and Planning Committee, Chair, 1994 - 1996

COMMUNITY:

Laura Hare Charitable Trust, Trustee, 2006 – present
 Town of Fishers, Department of Parks, Ritchey Woods Nature Preserve Advisory
 Council, 2007 - present

WFYI, Indiana Natural Heritage Advisory Board, 2007 – 2009.

Rotary Club of Indianapolis, Environment and Beautification Committee, co-chair, 2002 – 2007.

City of Indianapolis, Gateway’s Working Group, Mayoral Appointee, Bart Peterson, 2004.

Featured Environmental Scientist – Indiana State Museum Tomorrow’s Indiana Future’s Gallery, 2002-2005.

Featured Research and Restoration Program – Indiana Department of Natural Resources Storm Water Drain Marking Video, October, 2004 (<http://www.doe.state.in.us/media/video/stormdran.html>).

Editorial Author – Hands-on Learning, Mentoring Draws Students to Science, Indiana Business Journal, October, 2004.

Featured Professor – Education for What: Learning Through Social Responsibility, Campus Compact, September, 2004.

Featured Professor – Learning Through Service: Student Engagement at IUPUI, DVD, Campus Compact, Aired on PBS, September, 2004.

Featured Researcher – IU Helping with Clean Water Issues, IU Halftime Show, December, 2003.

Elephant Ancestor’s In Indiana – Can You Dig It?, IMAX Theater Interactive Distance Learning Programs, 6 1-hour programs to middle schools, October 20, 21, 1999.

Paleontology Expert - “T-rex: Back to the Cretaceous”, Daybreak, CBS Channel 8, Indianapolis, November 4, 1998.

Featured Geologist – Be a Scientist Series, Children’s Museum of Indianapolis, September, 1998.

Dinosaur Paleontology Expert - Dinomite! A Celebration of Dinosaurs, Children’s Museum of Indianapolis, September 3,4,5, 1998.

Featured Researcher – The Environmental Consequences of Hurricane Andrew in South Florida, Public Broadcasting, Aired in Southwest Florida, April, 1998.

Featured Researcher – “Dare to Dream”, Women in Science Educational Recruitment Video Program, April, 1998.

Featured Researcher – “Dig Those Dinos”, ABC WRTV Channel 6, Aired in Midwest region, September 26, 1997.

Featured Researcher - “Dino Dig Adventure”, Daybreak, CBS Channel 8, Indianapolis, June 12, 13, and 26, 1997.

Featured Researcher - “Dino Dig Adventure”, Ameritech/ Children’s Museum of Indianapolis Distance Education, Live Broadcast from Dino Dig site, Wyoming, June 18, 1997.

Supervisor - IUPUI Science Honors Program - 1996 - 1997.

Supervisor - IUPUI Summer Science Research Intern - 1996.

Board of Directors - Dinofest International, 1996 - 1999.

Educational Programs Coordinator, Dinofest International, 1995 - 1997.

Featured Researcher - “Women in Science Career Night”, WFYI, PBS and the Women’s Hospital, Children’s Museum of Indianapolis, May 8, 1995.

Featured Researcher - "Discovering Women Minutes", Public Television, WFYI Channel 20, March/April, 1995.

Moderator - DINO FEST Live Satellite Broadcast, John Marshall Middle School, Indianapolis, Broadcast to North American Public Schools and Public Television, Indianapolis, March 25, 1994.

Contributor - "The Impact of Hurricane Andrew on Biscayne Bay and the Bay's Response and Recovery?": Article contributed to publication on the Columbus Day Sailing Regatta Forty Year Celebration in Miami, Florida, October, 1994.

Featured Researcher - "The Next Generation - A Matter of Teamwork", Public Television, Aired Nationally, September, 1993.

Judge - IPS Inventors Convention, February, 1993.

Mentor - IUPUI Scientist Apprentice Program, Summer, 1993.

EXPERIENCE

Cruise: R/V Ferrel - NOAA/Florida Department of Environmental Protection/ Rookery Bay National Estuarine Research Reserve study mapping the substrate and benthic communities offshore of southwestern Florida. Side scan surveying, sediment sampling and dive operations to study coupling of marine and estuarine processes; with M. Savarese, T. Hopkins; March, 1997.

R/V Sea Diver - Harbor Branch/NOAA National Undersea Research Program/ Univ. South Florida study exploring Holocene low sea-level stand shorelines. Seismic stratigraphic and side scan surveying; submersible diving operations. Florida Keys and adjacent continental shelf; with A.C. Hine, S.D. Locker, and E.A. Shinn; June, 1993.

South Florida - Research Cruises studying (a) the effect of Hurricane Andrew on shallow marine and coastal environments of Biscayne Bay, Florida Bay, and the southwest coast of Florida, (b) carbonate, organic, and siliciclastic facies evolution and preservation through Holocene sealevel rise in Biscayne Bay, Florida Bay and the southwest coast of Florida, (c) role of burrow excavation and infilling in creating the preserved depositional sequence in shallow marine carbonate environments, (d) sediment and pollen record of natural vs. anthropogenic changes in Lower Everglades/Florida Bay ecosystem, and (e) distribution of trace elements and organics in surficial sediments as record of anthropogenic contaminant inputs. With H.R. Wanless and M. Savarese; 1985-2004.

Caicos Platform - Research cruises studying (a) effects of hurricanes on carbonate platform evolution and facies development, (b) facies distribution and development, and (c) Cenozoic evolution of a carbonate platform. Methods included Pleistocene and Holocene outcrop study, surficial sediment sampling, coring, vibracoring and seismic stratigraphic surveying; with H.R. Wanless; January, 1986, December, 1987, July, 1988, July, 1989 and July 1991.

R/V Cape Hatteras - NSF/Univ. South Florida study to examine structure, stratigraphy, sedimentology and geologic evolution of the Nicaraguan Rise, Caribbean Sea; with A.C. Hine, P. Hallock-Muller, May 1988.

R/V Cape Hatteras - NSF/Syracuse University study to examine the structure, stratigraphy, sedimentology and geologic evolution of the West Florida Slope; with A.C. Hine, H. Mullins; February 1985.

R/V Bellows - FIO/Univ. South Florida seismic profiling off Crystal River, Florida area, to search for paleo-spring discharge sites and fossil oyster bioherms; with A.C. Hine; October, 1984.

Field: Southern California - Lake Sedimentation in the San Geronio Wilderness of Southern California: A Record of El Niño Periodicity; San Bernadino Mountains. Sediment coring in an alpine lake; with A. Barth, G. Filippelli, D. Clark; August, 1996.

Central Wyoming - Facies Analysis of Terrestrial Depositional Environments: Late Cretaceous Lance Creek Formation; A Flashflood Dinosaur Mass Kill Event. Mapping, facies descriptions, and paleoenvironmental reconstructions of fluvial channel and flood plain deposits; with H. Halvorson, Earth Museum, Minneapolis, MN; June, 1996, June, 1997.

Detailed facies and sequence analysis of ancient limestone, dolomite, and sandstone units studying (a) the effects of bioturbation on facies and sequence development and preservation {Cretaceous Colorado; Mississippian Indiana; Pennsylvanian Kansas; Mississippian and Pennsylvanian New Mexico; Cretaceous Texas; Cambro-Ordovician Utah; Cambrian, Permian, and Triassic, Peoples Republic of China; Mississippian England, Wales and Belgium} and (b) the role of storm processes in creating and modifying depositional sequences {Cambro-Ordovician Grand Canyon, Arizona; Cambro-Ordovician Western Maryland; Cambro-Ordovician Labrador and New Foundland; Mississippian Indiana; and Pleistocene South Florida and Caicos Platform}; 1987 to present.

Field Courses: Southwest Florida – Co-Project Director, Late Holocene Sea Level and Coastal Evolution; with M. Savarese, C. Mankiewicz, Keck Undergraduate Research Project, Rookery Bay National Estuarine Research Reserve, June, 2001.

Southwest Florida – Co-Project Director, Estuarine Processes and Coastal Evolution; with M. Savarese, C. Mankiewicz, Keck Undergraduate Research Project, Rookery Bay National Estuarine Research Reserve, May, 1999.

Southwest Florida – Co-Trip Leader, Estuarine Processes and Coastal Evolution; with H.R. Wanless, M. Savarese, Keck Undergraduate Research Consortium, Rookery Bay National Estuarine Research Reserve, January, 1998.

South Florida - Co-Trip Leader, The Role of Storm Processes on the Growth and Evolution of Coastal and Shallow Marine Environments In South Florida; with H.R. Wanless, 1st SEPM Sedimentary Congress on Sedimentary Geology, August 1995.

Caicos Platform - Co-Trip Leader, Carbonate Environments and Sequences of Caicos Platform with an Introduction in South Florida; with H.R. Wanless, 28th International Geological Congress Field Trip; July 1989.