

PROGRAM BOOKLET



51st Annual Conference of the
North American Colleges and
Teachers of Agriculture

**“Experiential and
Student-Centered Learning”**

June 15–17, 2005
Shisler Conference Center
The Ohio State University Agricultural
Technical Institute

Tuesday, June 14, 2005

3:00 - 5:00 p.m. **Early Registration – Basford Room, Shisler Center**

Wednesday, June 15, 2005

7:00 a.m. - 5 p.m. **Registration – Basford Room, Shisler Center**

7:15 a.m. **Van DEPARTS** the lobby of the Hilton Garden Hotel for golf outing for those who pre-registered for golfing.

7:15 - 11:15 a.m. **Golf Outing, The Pines.** Hosts, Steve Neal, Bob Birkenholz, Shah Rahnema, Pat Whittington

7:30 - 9:00 a.m. **Set up posters – Fisher Auditorium Stage** (posters will be displayed throughout the conference)

8:00 - 11:30 a.m. **Executive Meetings – Garrett Room**

12:00 - 2:30 p.m. **Welcome Luncheon and Keynote Address – Shisler Ballroom.** Wear your school polos!
Keynote Address:
Dr. Luz Mangurian, Towson University
“Where the Neurosciences and Pedagogy Intersect in Support of Student Learning”

2:30 - 3:00 p.m. **Break - Visit Poster Sessions** (no hosts) and **Book Auction.** Posters are located on the Fisher Auditorium Stage. Bookstore is located in the Buehler Room. Poster titles/authors are listed in the abstract book.

3:00 - 4:00 p.m. **The "Dean's Series"** Choose one from the following (repeated):
Dr. L.H. Newcomb, Senior Associate Dean, The Ohio State University – Smucker Room
"Making Learning More Student-Centered"
Dr. Barbara Malpiedi Kirby, Assistant Dean, North Carolina State University – Frick Room
"Involving Undergraduates in our Research Programs"
Dr. Kirby Barrick, Associate Dean, University of Illinois –Yenne Room
"Advancing Leadership Development for All Students"

4:00 - 4:15 p.m. **Break**

4:15 - 5:15 p.m. **The "Dean's Series"** Choose one from the following:
Dr. L.H. Newcomb, Senior Associate Dean, The Ohio State University – Smucker Room
"Making Learning More Student-Centered"
Dr. Barbara Malpiedi Kirby, Assistant Dean, North Carolina State University – Frick Room
"Involving Undergraduates in our Research Programs"
Dr. Kirby Barrick, Associate Dean, University of Illinois – Yenne Room
"Advancing Leadership Development for All Students"

5:15 - 7:00 p.m. **Taste of Ohio Welcome Reception & Tailgate – Rubbermaid Courtyard (rain location, Shisler Ballroom). Wear your school polos!**

6:45 p.m. Board bus for *Trumpet in the Land* outdoor drama (those who purchased tickets during advanced registration). Front entrance of Shisler Center.

Thursday, June 16, 2005

- 7:00 a.m. - Noon **Registration** – Basford Room, Shisler Center
- 7:30 - 8:00 a.m. **Newcomers Orientation** – Smucker Room. Dr. Linda Martin, Host
- 8:00 - 9:30 a.m. **Poster Session** – Fisher Auditorium Stage. (Posters staffed by presenters). Poster titles/authors are listed in the abstract book.
- 9:00 - 5:00 **Companion Tour** (Holmes County). Board van at front entrance of Shisler Center
- 9:30 - 10:45 a.m. **Blue Ribbon Presentation** – Shisler Ballroom
Dr. Gary Moore, North Carolina State University
“Using Humor in the Classroom”
- 10:45 - 11:00 a.m. **Break**
- 11:00 - 12: noon **NACTA Committee Meetings** – Designated round tables in Shisler Ballroom
- 12:00 - 12:15 p.m. **Pick up Box Lunches** – Outside Shisler Ballroom
- 12:15 - 6:00 p.m. **Tours** - Board busses at front entrance of Shisler Center
- 6:00 - 9:00 p.m. **BBQ** - ATI Gardens (rain location, Shisler Ballroom)
Tours of ATI facilities as requested

Friday, June 17, 2005

- 7:00 a.m. - Noon** **Registration – Basford Room,
Shisler Center**
- 8:00 - 9:00 a.m.** **NACTA Committee Meetings –
Designated round tables in Shisler
Ballroom**
- 9:00 - 5:00** **Companion Tour (Wayne County)
– Board van at front entrance to
Shisler Center**
- 9:00 - 10:15 a.m.** **25-min. Concurrent Sessions (A)
Oral presentation titles/authors
are listed on pp. 6-8.
Rooms:
• Fisher
• Frick
• Smucker
• Yenne**
- 10:15 - 10:30 a.m.** **Break**
- 10:30 - 11:45 a.m.** **25-min. Concurrent Sessions (B)
Oral presentation titles/authors
are listed on pp. 9-11.
Rooms:
• Fisher
• Frick
• Smucker
• Yenne**
- 12:00 - 1:00 p.m.** **Luncheon – Shisler Ballroom
Mr. David Kline, "On Amish
Culture and Agriculture"**

1:00 - 1:15 p.m. Break

**1:15 - 3:00 p.m. 25-min. Concurrent Sessions (C)
Oral presentation titles/authors
are listed on pp. 12-15.**

Rooms:

- Fisher
- Frick
- Smucker
- Yenne

3:00 - 3:15 p.m. Break

**3:15 - 4:45 p.m. Business Meeting – Shisler
Ballroom. Open to EVERYONE
and important for all members.**

**4:45 - 5:00 p.m. Ohio Products Distributed –
Outside of Shisler Ballroom**

5:00 - 6:00 p.m. Break – take down posters

**6:00 - 6:30 p.m. Reception – Rubbermaid
Courtyard (rain location, outside
of Shisler Ballroom)**

**6:30 - 9:00 p.m. Awards Banquet – Shisler
Ballroom**

Saturday, June 18, 2005

**8:00 - 11:00 a.m. NACTA Executive Meeting –
Garrett Room**

Concurrent Sessions

Friday, June 17, 2005

Session A: 9:00-9:25 a.m.

Fisher Conference Room

The Poetry of Agricultural Engineers

Julie A. Graf, Ann D. Christy

The Ohio State University, Columbus

Frick Room 110

**The Global Seminar Project - Experiential
Learning in an International Context**

Dennis W. Duncan¹, Pavli Mykerizi²

¹University of Georgia, Athens

²Virginia Tech, Blacksburg

Smucker Room 116

**The Agriculture and Food Systems Experiential
Learning Community**

Leverne Barrett, Dennis Brink

University Of Nebraska, Lincoln

Yenne Room 159

**Learning Style and Personality Type Preferences
of Non-Formal Educators**

Jamie Cano, Gregory Davis

The Ohio State University, Columbus

Session A: 9:25-9:50 a.m.

Fisher Conference Room

**Affecting Writing in a College of Agriculture and
Natural Resources via University General
Education: A Faculty Perspective.**

J. Hattey*

Oklahoma State University, Stillwater

Frick Room 110

**The Relationship Between Students' Expectations
and Their Success in an Equine Internship
Program**

L. A. Janecka*

Kentucky Equine Management Internship Program,
Lexington

Smucker Room 116

**Leadership Development Through the Challenge
of Experience**

Cindy S. Blackwell*

Oklahoma State University, Stillwater

Yenne Room 159

**Teaching Techniques Used in College of
Agriculture Classrooms**

J. C. Ewing,* M. S. Whittington

The Ohio State University, Columbus

Concurrent Sessions
Friday, June 17, 2005
Session A: 9:50-10:15 a.m.

Fisher Conference Room

**Innovative Uses of Course Management Software
to Promote Student-Centered Learning**

D. Layfield,* B. Bolt, K. Vernon

Clemson University, Clemson, SC

Frick Room 110

**Fostering Communication Skills in a Turfgrass
Management Class**

Z. Jiang*

State University of New York, Cobleskill

Smucker Room 116

**Elementary Teachers' Attitudes Toward Using
Agriculture as a Context for Teaching**

K. A. Bellah,* J. E. Dyer

1University of Florida, Gainesville

Yenne Room 159

Criteria Relevant to Student Learning

M. E. Headings*

Ohio State ATI, Wooster

Session B: 10:30-10:55 a.m.

Fisher Conference Room

**An Approach to Contextualized Teaching of
Introductory Chemistry**

Olivier Marcq*

Ohio State ATI, Wooster

Frick Room 110

**Analysis of Virtual and Traditional Teaching
Assistants Used in Introductory to Animal Science
Courses**

Mickey A. Latour, M. Ley, K. Orvis

Purdue University, West Lafayette, IN

Smucker Room 116

**Evolution of an Agricultural Experiment Station
into a Center for Experiential Learning**

R. E. Joost,* J. D. Gresham, T. L. Vassey, P. L. Smartt,

J. E. Mehlhorn, J. N. Butler, K. J. Rozeboom, J. P.

Bailey

University of Tennessee at Martin

Yenne Room 159

**Using Electronic Mail to Promote Critical
Thinking Skill Acquisition in a University Course**

D. Jones,* C. Barfield, R. Rudd

University of Florida, Gainesville

Concurrent Sessions

Friday, June 17, 2005

Session B: 10:55 - 11:20 a.m.

Fisher Conference Room

First-Year Experiences for the 2004 Governor's

School for the Agricultural Sciences

J. E. Mehlhorn, T. N. Burcham,* J. Gresham

University of Tennessee at Martin

Frick Room 110

**Taking it on the Road: an Innovative Approach to
Internships at Kansas State University**

D. J. Minihan,* G. L. Posler, M. D. Ransom

Kansas State University, Manhattan

Smucker Room 116

**Integration of Service-Learning in Animal Science
Curriculum at the University of Minnesota,
Crookston**

H. A. Maiga,* L. E. Westrom*

University of Minnesota, Crookston

Yenne Room 159

**Problem-Based Learning to Develop Critical
Thinking, Leadership, and Group Skills**

D. Needham*

Oklahoma State University, Stillwater

Session B: 11:20-11:45 a.m.

Fisher Conference Room

**Pedagogics of Incorporating Systems Thinking
Leadership Principles into an Animal Science
Growth Course**

D. R. Mulvaney, H. N. Kelly
Auburn University, Auburn, AL

Frick Room 110

**Service-Learning Projects in the Animal Sciences
Develop Leadership Skills**

L. D. Moody, D. R. Brink,* B. S. VanDeWalle
University of Nebraska, Lincoln

Smucker Room 116

**Experiential Learning in a Landscape Design
Studio**

A. Spafford*
North Carolina State University, Raleigh

Yenne Room 159

**Assessing the Benefits and Costs of Extra- and Co-
Curricular Activities for Undergraduate Students
in Agricultural Economics**

D. Reaves^{1,*} R. Hinson^{2,*}

¹Virginia Tech, Blacksburg

²Louisiana State University, Baton Rouge

Concurrent Sessions
Friday, June 17, 2005
Session C: 1:15-1:40 p.m.

Fisher Conference Room

**Involving Undergraduate Students in Agronomic
Solutions for Urban Wastes**

David Munn*

Ohio State ATI, Wooster

Frick Room 110

**Facilitating Student-Centered Learning in an
International Teaching Environment**

Rama Radhakrishna*

Penn State University, University Park

Smucker Room 116

Emerging Educational and Agricultural Trends

R. Stewart,* G. Moore, J. Flowers

North Carolina State University, Raleigh

Yenne Room 159

"Do We Have to Work in Teams?!?"

Shelly Sitton, Danna Kelemen

Oklahoma State University, Stillwater

Session C: 1:40-2:05 p.m.

Fisher Conference Room

Student Portfolios in Agricultural and Construction Systems Management Courses

M. Owens^{1,*}, A. Christy¹, M. Lima², E. Alocilja³

¹The Ohio State University, Columbus

²Louisiana State University, Baton Rouge

³Michigan State University, East Lansing

Frick Room 110

Evaluation of the Effect of Multi-Site Distance Education on Knowledge Gained in a Plant Propagation Course

T. Irani^{1,*}, G. Roberts², S. Wilson³, E. Rhoades^{1*}

¹University of Florida, Gainesville

²Texas A&M, College Station

³University of Florida, Fort Pierce

Smucker Room 116

Photography as an Experiential Learning Exercise in a University Core Course, "Agriculture, the Arts, and Society"

C. M. Wood*

Virginia Tech, Blacksburg

Yenne Room 159

Developing Case Studies in Horticulture

A. M. VanDerZanden,* C. Haynes

Iowa State University, Ames

Concurrent Sessions
Friday, June 17, 2005
Session C: 2:05-2:30 p.m.

Fisher Conference Room

Summer Agriculture Institute - Assessing the Impacts

K. Bacon¹, R. Anderson¹, L. Watkins²

¹Western Illinois University, Macomb

²Central Missouri State University, Warrensburg

Frick Room 110

International Agriculture Education and Engagement Courses with Web-Based Curriculum

M. Russell,* P. Morris, M. Marshall, J. Peters,

K. Selby, T. Benjamin, B. Hoover

Purdue University, West Lafayette, IN

Smucker Room 116

Grounding New Dimensions in Experiential Education: A Model That Merits Consideration for the 21st Century

K. Zarafshani¹, G. H. Zamani^{2*}

¹Razi University, Kermanshah, Iran

²Shiraz University, Shiraz, Iran

Yenne Room 159

Making Biochemistry Student Centered

Bonnie S. Walters*

University of Wisconsin, River Falls

Session C: 2:30-2:55 p.m.

Fisher Conference Room

Youth Livestock Environmental Assurance

J. Rausch,* S. Boyles, W. Budke

The Ohio State University, Columbus

Frick Room 110

**Examining Teacher Burnout and Coping
Mechanisms**

J. Chenevey, M. S. Whittington

The Ohio State University, Columbus

Smucker Room 116

The Virtual Presentation - It Takes a Team

James E. Tew*

The Ohio State University, Wooster

Yenne Room 159

An Assessment of Group Exercise Effectiveness

Joseph F. Donnermeyer, Shauna Sowga,

Christopher Owens

The Ohio State University, Columbus

Keynote Speaker

Dr. Luz Mangurian, Towson University



Luz P. Mangurian, Ph.D.

Professor of Biology at Towson University, obtained her B.S. in Biology from the University of Pittsburgh, her M.S. in Biology from The American University and her Ph.D. in Biology from The George Washington University. Her post-doctoral work was done in the Anatomy Department of The George

Washington University Medical School, where she is currently an Adjunct Associate Research Professor. She is also an Affiliate Professor of the Women Studies Program and the Center for Science and Mathematics Education at Towson University.

Dr. Mangurian is now the Director of The Alliance for Applied Cognition and Teaching and Director of Faculty Development at Towson University.

Mangurian's research uses neuroanatomical methods to investigate the role of prolactin and other lactogenic hormones in modulating maternal behavior. Her publications include numerous articles and peer-reviewed presentations in anatomy, neuroendocrinology, science pedagogy, and two Spanish-language textbooks on human anatomy, one of them on its 16th edition. She has taught Human Anatomy and Physiology, Histology, Embryology, Molecular Mechanisms of Development, Biology of Women and, Using Information Effectively in Science.

Dr. Mangurian has organized several conferences on teaching/learning for college and university faculty, given several teaching/learning workshops and serves on the editorial board of the Journal of Excellence in College Teaching.

Blue Ribbon Presentation

Dr. Gary Moore, North Carolina State University



Gary Moore is a Professor of Agriculture and Extension Education at North Carolina State University where he is a member of the Academy of Outstanding Teachers. He is a NACTA Teaching Fellow and received the Ensminger-Interstate Distinguished Teacher Award in 1996. He is also a Fellow in the American

Association for Agricultural Education and received their Russell Guin Award in 2003. This past year he has been one of 12 "exemplary teachers" studied by researchers at the University of Illinois as part of a USDA sponsored project on teaching excellence.

Dr. Moore has published 113 journal articles and presented 129 papers at professional conferences. He has also authored three textbooks. His research interests focus on teaching effectiveness and the historical and philosophical foundations of agriculture and extension education. He is currently researching the use of hand held electronic responder devices in the classroom. He is also deeply involved in several distance education efforts.

Gary received a B.S. in Agriculture Education at Tarleton State University in Texas and a M.S. and Ph.D. in Agriculture Education at The Ohio State University.

2005 NACTA Conference Planning Committee

Shirley Badger
Assistant Professor,
Communication Skills

Roger Baur
Associate Professor,
Ag Business, Business
Management

David Benfield
Associate Director,
OARDC

Shawn Cleveland
Director of Development,
ATI/OARDC

Jamie Cano
Associate Professor,
Human & Community
Resource Development

Tom Cole
General Manager,
Shisler Center

Mark Headings (Chair)
Associate Professor,
Entomology

Jane Houin
Public Relations
Coordinator, OARDC

David Lohnes
Web Developer

Randy Nemitz
Manager, Creative
Services

Shah Rahnema
Professor, Division
Chair, Arts & Science &
Business

Hannah Roscoe
Conference Manager,
Shilser Center

Kim Sayers
Director, Business
Training & Educational
Services

Royce Thornton
Assistant Professor,
Dairy

Frances Whited
Public Relations
Coordinator, ATI

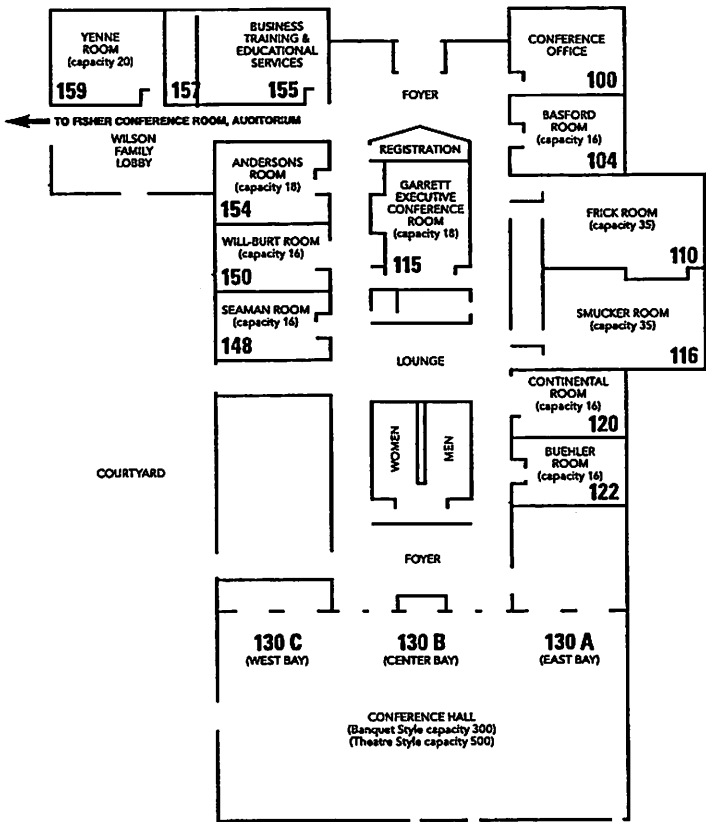
Susie Whittington
Associate Professor,
Human & Community
Resource Development

**Stephen G. P. Nameth
(ex officio)**
Director, ATI

Associate Dean, College
of Food, Agricultural,
and Environmental
Sciences

Steven Neal (ex officio)
Assistant Director for
Academic Affairs, ATI

Shisler Center Floor Plan



Area Map

