

ACTER

*Association for
Career and Technical
Education Research*

*Advancing Research, Policy, and Practice in CTE:
21st Century Workforce Development*

2010
CONFERENCE PROGRAM

**Career and Technical Education
Research and Professional
Development Conference**
(ACTER-OTT-ACADEMY)

November 30 - December 2, 2010
Las Vegas Hilton
Las Vegas, Nevada



The ACADEMY
for
Career and Technical
Teacher Education



Meeting at a Glance 2010 CTE Research and Professional Development Conference (ACTER-OTT-Academy)

	TUESDAY NOVEMBER 30		WEDNESDAY DECEMBER 1		THURSDAY DECEMBER 2
		7:00 am	ACTER REGISTRATION <i>Registration Foyer</i>		
		8:00 am	OPENING SESSION <i>Ballroom E</i>		
		9:00 am	RESEARCH & SYMPOSIUM SESSIONS <i>Ballroom D, F, G</i>	9:00 am	GRADUATE STUDENT FIRESIDE CHAT <i>Conference Rooms 9 & 10</i>
		10:15 am	BREAK <i>Foyer</i>		
		10:30 am	RESEARCH & SYMPOSIUM SESSIONS <i>Ballroom D, F, G</i>	10:30 am	RESEARCH & SYMPOSIUM SESSIONS <i>Ballroom F, G, D</i>
		12:00 pm	ACTER LUNCHEON <i>Ballroom B</i>	12:00 pm	ACTER PAST PRESIDENT'S LUNCHEON
			POSTER SESSION SET-UP <i>Foyer</i>		
		1:30 pm	RESEARCH & SYMPOSIUM SESSIONS <i>Ballroom D, F, G, E</i>	1:15 pm	RESEARCH & SYMPOSIUM SESSIONS <i>Ballroom F, G, D</i>
		2:45 pm	BREAK <i>Foyer</i>	2:45 pm	CLOSING SESSION <i>Ballroom E</i>
		3:00 pm	ACTER POSTER SESSION <i>Registration Foyer</i>	3:15 pm	ACADEMY BUSINESS MEETING <i>Ballroom E</i>
5:00 pm	Board Meetings <i>Conference Rooms 1, 2, 4, 5, 13, 14</i>	4:30 pm	ACTER BUSINESS MEETING <i>Ballroom E</i>		
7:00 pm	ACTER Board of Directors Meeting <i>Conference Rooms 13 & 14</i>	5:30 pm	RECEPTION <i>Ballroom G</i>	5:30 pm	OTT BUSINESS MEETING <i>Ballroom E</i>

TUESDAY NOVEMBER 30, 2010

5:00 PM – 7:00 PM

Academy Board Meeting..... Conference Rooms 1 & 2
Edward C. Mann, Presiding

CTER Journal Board Meeting..... Conference Rooms 4 & 5
John Rayfield, Presiding

OTT Board Meeting / JCTE Board Meeting..... Conference Rooms 13 & 14
Steve McCaskey, Presiding

7:00 PM – 9:00 PM

ACTER Board of Directors Meeting..... Conference Rooms 13 & 14
Frankie Santos Laanan, Presiding

WEDNESDAY DECEMBER 1, 2010

7:00 AM – 11:00 AM

ACTER Registration..... Registration Foyer

8:00 AM – 8:45 AM

Opening Session..... Ballroom E

9:00 AM – 10:15 AM

Research Session..... Ballroom D

Distance Teaching and Learning in CTE

Session Chair: Lonnie G. Wright, University of Nevada Las Vegas

Discussant: Leane Skinner, Auburn University

“Spheres of Reality:” A Conceptualization of Desktop Virtual Environments in Career and Technical Education and an Implementation Training Model

Lynna J. Ausburn, Oklahoma State University

Floyd Ausburn, Oklahoma State University

Using Web-based Journaling to Encourage Reflective Learning in an Alternative Certification Program for Career and Technical Teachers

Janet Zaleski Burns, Georgia State University

Donna Wolosin, National University, San Diego

Characteristics of Successful and Unsuccessful Technical College Students in Online and Face-to-face Mathematics Classes

Paul W. Godfrey, University of Georgia

Roger B. Hill, University of Georgia

WEDNESDAY (CONTINUED)

Research Session.....Ballroom F

Academic Integration in CTE

Session Chair: Abby Robinson, Purdue University

Discussant: Jeff Allen, University of North Texas

Teacher Feedback on Reading Strategy Use in Career and Technical Education

Laura A. Santamaria, Cornell University

Travis D. Park, Cornell University

Barrett L. Keene, Cornell University

Elizabeth van der Mandele, Cornell University

Marissa K. Taylor, Cornell University

Antonia Richards, Cornell University

A Taxonomic Description of the Academic Learning Objectives Employed in CTE Programs and Courses of Study

Matt Spindler, State University of New York at Oswego

Evaluating the Mathematics Achievement Levels of Selected Groups of Students Participating in the State FFA Agricultural Mechanics Career Development Event

Kirk C. Edney, Texas A&M University

Tim H. Murphy, Texas A&M University

Symposium.....Ballroom G

The Use of Case Studies in CTE Research

Carsten Schmidtke, University of Arkansas

Karen Alexander, Texas Tech University

10:15 AM – 10:30 AM

Break.....Foyer

10:30 AM – 12:00 PM

Research Session.....Ballroom D

Career Choice and Development in CTE

Session Chair: Victoria Lawrence, University of Nevada Las Vegas

Discussant: Morgan Lewis, The Ohio State University, NRCCTE

The Complex Structure of Teacher Turnover Intention: Multi-structural Relationships among Organizational Culture, Job Autonomy, and Turnover Intention in CTE Teachers

Ji Hoon Song , Oklahoma State University

Jon Martens, Oklahoma State University

Belinda McCharen, Oklahoma State University

Lynna Ausburn, Oklahoma State University

WEDNESDAY (CONTINUED)

Career and Technical Programs of Study and Early Indicators of Engineering College Retention

Belinda McCharen, Oklahoma State University

Demographic Variables, High School Curriculum Tracking, and Occupational Aspirations as Predictors of Employment Status

Edward C. Fletcher Jr., University of South Florida

The Balance of Job Expectations and Family Responsibilities: Is it Different for Males and Females?

Katie Murray, North Carolina State University

Jim Flowers, North Carolina State University

Research Session..... Ballroom F

Work Profile Characteristics of CTE Teachers

Session Chair: Abby Robinson, Purdue University

Discussant: Howard Gordon, University of Nevada Las Vegas

A Qualitative Analysis of Teachers' Conceptions of Agriculture

Shawn M. Anderson, Oregon State University

Jonathan J. Velez, Oregon State University

Greg Thompson, Oregon State University

Desired Characteristics of Beginning Agricultural Education Instructors as Perceived by School Administrators

Daniel D. Foster, The Pennsylvania State University

John C. Ewing, The Pennsylvania State University

Ayla R. Detwiler, The Pennsylvania State University

Components of Teacher Identity as Indicated by Clinical Faculty

Katherine E. McKee, Virginia Tech University

Donna M. Moore, Virginia Tech University

Symposium..... Ballroom G

Building Conceptual and Theoretical Frameworks that Inform Research

Neil A. Knobloch, Purdue University

12:00 PM – 1:15 PM

ACTER Luncheon..... Ballroom B

12:00 PM – 1:30 PM

Poster Session Set-up..... Foyer

Steve McCaskey, Presiding

WEDNESDAY (CONTINUED)

1:30 PM – 2:45 PM

Research Session..... Ballroom D

Professional Development in CTE

Session Chair: Dimitra L. Jackson, Iowa State University

Discussant: Reynaldo Martinez, Valdosta State University

Agricultural Mechanics Laboratory Management Professional Development Needs of Texas Agricultural Education Student Teachers

P. Ryan Saucier, Ph.D., Texas State University

Billy R. McKim, Texas A&M University

Professional Development Needs of Idaho Secondary Family and Consumer Sciences Teachers: Program Management

Sally E. Arnett, Northern Illinois University

Allen Kitchel, University of Idaho

John Cannon, University of Idaho

Dennis Duncan, University of Georgia

The Four Educational Process Competencies and Professional Development Needs of Extension Educators in the North Central Region of the United States

Nav R. Ghimire, Iowa State University

Robert A. Martin, Iowa State University

Research Session..... Ballroom F

Program Impact, Assessment, and Evaluation in CTE

Session Chair: Barbara Young, University of Nevada Las Vegas

Discussant: Cynthia Pellock, The Pennsylvania State University

Development of Thematic Constructs and Assessment of Items to Examine Effectiveness of U.S. Marine Corps Technical-Vocational Training

Dan Lathers, North Carolina State University

James E. Bartlett, North Carolina State University

Career and Technical Education Program's Influences on Post-Release Outcomes for Offenders in Virginia

Rosemaliza Mohd Kamalludeen

Virginia Polytechnic Institute and State University, International Islamic

University Malaysia

The Use of Workforce Assessment as a Component of CTE Program Evaluation

Kenneth R. Bartlett, University of Minnesota

Nicole Schleif, University of Minnesota

Mauvalyn M. Bowen, University of Technology, Jamaica

Symposium..... Ballroom G

Applying the Happenstance Learning Theory

John Krumboltz, Stanford University

WEDNESDAY (CONTINUED)

Symposium..... Ballroom E

Research-in-Progress: Enhancing CTE Research

Cynthia Pellock, The Pennsylvania State University
Daniel Foster, The Pennsylvania State University
John C. Ewing, The Pennsylvania State University
George Haber, Old Dominion University
Carsten Schmidtke, University of Arkansas
S. Theresa Wheeler, Mississippi State University

2:45 PM – 3:00 PM

Break.....Foyer

3:00 PM – 4:30 PM

Poster Session.....Registration Foyer

Online Contract Training in Community and Technical Colleges: A Cross-Case Analysis of Five Institutions

Rod P. Githens, University of Louisville
Kristin B. Wilson, University of Louisville
Fashaad L. Crawford, University of Louisville
Timothy M. Sauer, University of Louisville
Denise Cumberland, University of Louisville

Developing a Theoretical Competency Model for Students with Special Needs through the Integration of Various Emerging Technologies

Holly McVay, Oklahoma State University
Vallery Feltman, Oklahoma State University

Career and Technical Education Program’s Influences on Post-Release Outcomes for Offenders in Virginia

Rosemaliza Mohd Kamalludeen
Virginia Polytechnic Institute and State University and International Islamic University Malaysia

Needs Assessment of Family and Consumer Sciences Teachers for Teaching Students with Disabilities

Letitia J. Killman, Texas Tech University
Karen L. Alexander, Texas Tech University

Developing a Zoo-Based Assessment to Measure Science Interest and Knowledge

Noah Shields, Purdue University
Neil Knobloch, Purdue University

WEDNESDAY (CONTINUED)

Exploring a Postsecondary Organization Providing Work and Personal Human Resource Education: Integrating Action Research in Doctoral Education

James Bartlett, North Carolina State University
Bo Boylan, North Carolina State University
Jim Hale, North Carolina State University
Paul Williams, North Carolina State University

Are They Diggin' It? An Analysis of a Horticulture Career Development Event General Knowledge Exam

Amy Jones, Purdue University
Kathryn Orvis, Purdue University
Neil Knobloch, Purdue University

Do Differences Exist in Learning Style Preferences of Freshman and Senior Students in Agricultural Sciences?

Dwayne Pavelock, Sam Houston State University
Dominick Fazarro, Sam Houston State University
Doug Ullrich, Sam Houston State University

Students with Special Needs in Family and Consumer Sciences Education: Meeting the Challenge

Renecia Lovelace, University of Georgia
Bettye P. Smith, University of Georgia

The History of Vocational Teacher Education at the Ohio State University

Matt Yauk, The Ohio State University
Tai Brannon, The Ohio State University
Ken Schaefer, The Ohio State University
Christopher Zirkle, The Ohio State University

Blogs: Engaging the Voice of the Silent

Craig L. McPherson, Southern Illinois University Carbondale
Beth Winfrey Freeburg, Southern Illinois University Carbondale

Current Status of Female Agriscience Teachers in Texas with Regard to Hiring Perceptions and Technology Adoption

Kirk C. Edney, Texas A&M University
Chanda Elbert, Texas A&M University

Life Science Education Signature Area (LSESA): An Interdisciplinary Approach to the Contextual Application of STEM Learning

Neil A. Knobloch, Purdue University
Levon T. Esters, Purdue University

Developing Human Capacity through Learner-Centered Teaching Approaches at Historically Black Colleges and Universities

Neil A. Knobloch, Purdue University
Levon T. Esters, Purdue University
Orlentea S. McGowan, Langston University
Bruce W. McGowan, Langston University

WEDNESDAY (CONTINUED)

Student Interactions and Concept Mapping in Online Courses of Study

Matt Spindler, SUNY Oswego

Agricultural Mechanics Skills Needed For Beginning Teachers In Secondary Agricultural Education

Charles Totty, Murray State University
Ryan Anderson, Murray State University
Dwayne Driskill, Murray State University

Kentucky Agricultural Education Teachers' Attitudes Toward Mathematics Integration

Justin Gossett, Murray State University
Ryan Anderson, Murray State University
Dwayne Driskill, Murray State University

Perceptions of Superintendents in Kentucky Secondary Schools Regarding Students Enrollment and Integrated Mathematics

Matthew Silvey, Murray State University
Ryan Anderson, Murray State University

An Agricultural Mechanics Laboratory Needs Assessment

Kay Kass, Murray State University
Ryan Anderson, Murray State University
Dwayne Driskill, Murray State University

Perceptions of Superintendents in Kentucky Secondary Schools Regarding Agriculture Program Support

Matthew P. Silvey, Murray State University
Ryan Anderson, Murray State University

Determining Post-Secondary Agricultural Students Mechanics Skill level Prior to Enrollment To An Introductory Mechanics Course

David Crouch, Murray State University
Matthew Silvey, Murray State University
Ryan Anderson, Murray State University
Dwayne Driskill, Murray State University

Incoming Undergraduate's Self-Reported Usage of Global Positioning Systems

Ryan Anderson, Murray State University
Whitney Peake, Murray State University
Jason Massey, Murray State University

The Ongoing Consequences of the Carl D. Perkins Act Within-state Funding Formula on the Operational Infrastructure of CTE: A Modified Policy Delphi Study

Robert Adam Manley, Western Michigan University
Daisy Stewart, Virginia Polytechnic Institute and State University

Occupational Supply and Demand: The Influence of Labor Market Demands and Student-Interests on Community College Program Planning

Orville Blackman, University Of Louisville

WEDNESDAY (CONTINUED)

4:30 PM – 5:30 PM

ACTER Business Meeting..... **Ballroom E**
Frankie Santos Laanan, Presiding

5:30 PM – 7:00 PM

Reception..... **Ballroom G**

THURSDAY DECEMBER 2, 2010

9:00 AM – 10:30 AM

Graduate Student Fireside Chat..... **Conference Rooms 9 & 10**

Setting Priorities for Early Career Success: Tips for Doctoral Students and New Tenure-Track Faculty

Lynna J. Ausburn, Oklahoma State University and President, University Council for Workforce and Human Resource Education
Reynaldo Martinez, Valdosta State University
Kenneth Bartlett, University of Minnesota

A discussion of the challenges facing early career faculty and recommendations for successfully navigating the tenure track. Panelists will share experiences and wisdom from different higher education settings.

Sponsored by the University Council for Workforce and Human Resource Education (UCWHRE)

10:30 AM – 12:00 PM

Research Session..... **Ballroom F**
Learning and Motivation in CTE

Session Chair: Cheryl Coleman, University of Nevada Las Vegas
Discussant: Latrice E. Eggleston, Iowa State University

Automotive Technology Student Learning Styles and Modes of Grasping and Transforming Experience

Mark D. Threeton, The Pennsylvania State University
Richard A. Walter, The Pennsylvania State University
Robert W. Clark, The Pennsylvania State University
John C. Ewing, The Pennsylvania State University

Transformational Leadership and Literacy in Career and Technical Education: Impact on Student Motivation to Read and Reading Comprehension

Barrett L. Keene, Cornell University
Travis D. Park, Cornell University
Laura A. Santamaria, Cornell University

THURSDAY (CONTINUED)

Please Pass the Peas: Hedonistic Emotions Influence on Adult Motivation to Learn

Samantha Ramsay, University of Idaho
Laura Holyoke, University of Idaho
Laurel J. Branen, University of Idaho
Janice Fletcher, University of Idaho

An Examination into Team’s Orientation and Behavior and Peer Evaluations

Thomas W. Broyles, Virginia Tech University
Cory Epler, Virginia Tech University
Holly Kasperbauer, Virginia Tech University
Chaney Mosley, Virginia Tech University
Richard Rateau, Virginia Tech University

Symposium..... Ballroom G

Building a Community of Learners in an Inter-institutional, Online Graduate Program for Family and Consumer Sciences Teacher Preparation

Karen L. Alexander, Texas Tech University
Julie Johnson, University of Nebraska-Lincoln
Barbara Allison, Texas Tech University
Karen Bergh, Central Washington University
Mari Borr, North Dakota State University
Sue Couch, Texas Tech University

Symposium..... Ballroom D

Using Assessment Data to Improve Instruction for CTE Programs: A National Research Center Professional Development Initiative

Sandra G. Pritz, NOCTI
Patricia Kelley, NOCTI

12:00 PM – 1:15 PM

Past President’s Luncheon.....Paradise Café

James E. Bartlett, ACTER President-Elect

1:15 PM – 2:45 PM

Research Session..... Ballroom F

CTE Teacher Education

Session Chair: Ed Rogers, University of Nevada Las Vegas

Discussant: Lynna Ausburn, Oklahoma State University

Purposes, Activities, and Documentation of Early Field Experience in Agricultural Teacher Education: A National Delphi Study

Scott W. Smalley, Iowa State University
Michael S. Retallick, Iowa State University

THURSDAY (CONTINUED)

Findings from 2009-2010 Field Tests of an Induction Model for Alternatively Certified Career and Technical Education Teachers

Leslie Hazle Bussey, Southern Regional Education Board
Heather L. Sass, Southern Regional Education Board
Gene Bottoms, Southern Regional Education Board

Identifying Concerns of Preservice and In-service Teachers in Agricultural Education

Kristin Stair, New Mexico State University
Gary Moore, North Carolina State University
Wendy Warner, North Carolina State University

Symposium..... Ballroom G

Exploring Course Management Systems in Educational Settings

Chaney Mosley, Virginia Polytechnic Institute and State University
Stephen Edwards, Virginia Polytechnic Institute and State University
David Thornblad, Virginia Polytechnic Institute and State University
Kacie Allen, Virginia Polytechnic Institute and State University
Krista Hartley, Virginia Polytechnic Institute and State University

Symposium..... Ballroom D

A Case Study of Students' Cognitive Response to Learning with Computer-assisted Modular Curriculum

Jessica W. Waknine, Virginia Polytechnic Institute and State University
Donna M. Moore, Virginia Polytechnic Institute and State University
Thomas W. Broyles, Virginia Polytechnic Institute and State University

2:45 PM – 3:15 PM

ACTER Closing Session and Awards Presentation..... Ballroom E
James E. Bartlett, Presiding

3:15 PM – 5:15 PM

Academy Business Meeting..... Ballroom E
Edward C. Mann, Presiding

5:30 PM – 7:00 PM

OTT Business Meeting..... Ballroom E
Steve McCaskey, Presiding

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Glenda Stewart, ConferenceDirect

ACTER 2011 CTERPD Conference

November 15-17, 2011

ACTE 2011 Annual Convention and Career Tech Expo

November 17-19, 2011

St. Louis, Missouri

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