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
<table>
<thead>
<tr>
<th>Time</th>
<th>Day</th>
<th>Events</th>
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</thead>
<tbody>
<tr>
<td>7:00 am</td>
<td>TUESDAY</td>
<td>ACTER Registration</td>
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<tr>
<td>8:00 am</td>
<td>TUESDAY</td>
<td>Opening Session</td>
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<tr>
<td>9:00 am</td>
<td>WEDNESDAY</td>
<td>RESEARCH &amp; SYMPOSIUM SESSIONS</td>
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<tr>
<td>10:00 am</td>
<td>WEDNESDAY</td>
<td>BREAK</td>
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<td>10:30 am</td>
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<td>12:00 pm</td>
<td>WEDNESDAY</td>
<td>ACTER LUNCHEON</td>
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<td>1:30 pm</td>
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<td>3:00 pm</td>
<td>WEDNESDAY</td>
<td>RESEARCH &amp; SYMPOSIUM SESSIONS</td>
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<tr>
<td>4:30 pm</td>
<td>WEDNESDAY</td>
<td>ACTER BUSINESS MEETING</td>
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<tr>
<td>5:30 pm</td>
<td>WEDNESDAY</td>
<td>OTT BUSINESS MEETING</td>
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<tr>
<td>5:00 pm</td>
<td>THURSDAY</td>
<td>Board Meetings</td>
</tr>
<tr>
<td>7:00 pm</td>
<td>THURSDAY</td>
<td>ACTER Board Directors Meeting</td>
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</table>

**Meeting at a Glance**

**2010 CTE Research and Professional Development Conference (ACTER-OTT-Academy)**

**TUESDAY NOVEMBER 30**
- 7:00 am: ACTER Registration
- 8:00 am: Opening Session
- 9:00 am: RESEARCH & SYMPOSIUM SESSIONS
- 10:00 am: BREAK
- 10:30 am: RESEARCH & SYMPOSIUM SESSIONS
- 12:00 pm: ACTER LUNCHEON
- 1:30 pm: RESEARCH & SYMPOSIUM SESSIONS
- 2:45 pm: BREAK
- 3:00 pm: RESEARCH & SYMPOSIUM SESSIONS
- 4:30 pm: ACTER BUSINESS MEETING
- 5:00 pm: Board Meetings
- 7:00 pm: ACTER Board of Directors Meeting

**WEDNESDAY DECEMBER 1**
- 7:00 am: ACTER Registration
- 8:00 am: Opening Session
- 9:00 am: RESEARCH & SYMPOSIUM SESSIONS
- 10:00 am: BREAK
- 10:30 am: RESEARCH & SYMPOSIUM SESSIONS
- 12:00 pm: ACTER LUNCHEON
- 1:30 pm: RESEARCH & SYMPOSIUM SESSIONS
- 2:45 pm: BREAK
- 3:00 pm: RESEARCH & SYMPOSIUM SESSIONS
- 4:30 pm: ACTER BUSINESS MEETING
- 5:00 pm: OTT BUSINESS MEETING

**THURSDAY DECEMBER 2**
- 7:00 am: ACTER Registration
- 8:00 am: Opening Session
- 9:00 am: RESEARCH & SYMPOSIUM SESSIONS
- 10:00 am: BREAK
- 10:30 am: RESEARCH & SYMPOSIUM SESSIONS
- 11:15 am: ACTER PAST PRESIDENTS LUNCHEON
- 12:00 pm: RESEARCH & SYMPOSIUM SESSIONS
- 1:15 pm: CLOSING SESSION
- 2:45 pm: OTT BUSINESS MEETING

**Conference Rooms**
- Room D, F, G
- Room E
- Room B
- Conference Rooms 1, 2, 4, 5, 13, 14

**Ballrooms**
- Ballroom Foyer
- Ballroom E
- Ballroom G
## TUESDAY NOVEMBER 30, 2010

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
<th>Presiding</th>
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</thead>
<tbody>
<tr>
<td>5:00 PM – 7:00 PM</td>
<td>Academy Board Meeting</td>
<td>Conference Rooms 1 &amp; 2</td>
<td>Edward C. Mann</td>
</tr>
<tr>
<td></td>
<td>CTER Journal Board Meeting</td>
<td>Conference Rooms 4 &amp; 5</td>
<td>John Rayfield</td>
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<tr>
<td></td>
<td>OTT Board Meeting / JCTE Board Meeting</td>
<td>Conference Rooms 13 &amp; 14</td>
<td>Steve McCaskey</td>
</tr>
<tr>
<td>7:00 PM – 9:00 PM</td>
<td>ACTER Board of Directors Meeting</td>
<td>Conference Rooms 13 &amp; 14</td>
<td>Frankie Santos Laanan</td>
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</tbody>
</table>

## WEDNESDAY DECEMBER 1, 2010

<table>
<thead>
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<tbody>
<tr>
<td>7:00 AM – 11:00 AM</td>
<td>ACTER Registration</td>
<td>Registration Foyer</td>
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</tr>
<tr>
<td>8:00 AM – 8:45 AM</td>
<td>Opening Session</td>
<td>Ballroom E</td>
<td>Lonnie G. Wright</td>
</tr>
<tr>
<td>9:00 AM – 10:15 AM</td>
<td>Research Session</td>
<td>Ballroom D</td>
<td>Lonnie G. Wright</td>
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<tr>
<td></td>
<td>Distance Teaching and Learning in CTE</td>
<td></td>
<td>Leane Skinner</td>
</tr>
<tr>
<td></td>
<td>Session Chair: Lonnie G. Wright, University of Nevada Las Vegas</td>
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<tr>
<td></td>
<td>Discussant: Leane Skinner, Auburn University</td>
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</tr>
</tbody>
</table>

“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
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
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
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
Building Conceptual and Theoretical Frameworks that Inform Research
Neil A. Knobloch, Purdue University

12:00 PM – 1:15 PM
ACTER Luncheon
12:00 PM – 1:30 PM
Poster Session Set-up
Steve McCaskey, Presiding
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: 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

3:00 PM – 4:30 PM
Poster Session

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
Roxeliza 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
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
Orlenthea S. McGowan, Langston University
Bruce W. McGowan, Langston University
<table>
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<td>Student Interactions and Concept Mapping in Online Courses of Study</td>
<td>Matt Spindler, SUNY Oswego</td>
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| 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 |
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
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
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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<thead>
<tr>
<th>ACTER</th>
<th>2010 Research Conference Co-Chairs: Levon T. Esters, Purdue University Latrice E. Eggleston, Iowa State University</th>
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<tr>
<td>ACADEMY</td>
<td>Past President: Jason Scales, Central Missouri State University President: Edward C. Mann, University of Southern Mississippi President Elect: Reynaldo L. Martinez Jr., Valdosta State University Secretary: Jeno Rivera, Michigan State University Treasurer: David Jones, North Carolina State University Board Members: Mary Pickard, East Carolina University Michael S. Retallick, Iowa State University Curtis R. Friedel, Louisiana State University</td>
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A SPECIAL THANK YOU TO THE REVIEWERS

MANUSCRIPT REVIEWERS

Lynna J. Ausburn, Oklahoma State University
James Bartlett, North Carolina State University
Michelle Bartlett, North Carolina State University
Kendra Boggess, Concord University
Mari Borr, North Dakota State University
Janet Burns, Georgia State University
Susan Camp, SUNY, Oswego
Jamie Cano, Ohio State University
Sue Couch, Texas Tech University
Barry Croom, North Carolina State University
Nina Crutchfield, National FFA
Stephanie Davis, Wright State University
Don Edgar, University of Arkansas
Craig Edwards, Oklahoma State University
Levon Esters, Purdue University
John Ewing, Penn State University
Edward Fletcher, University of South Florida
Jim Flowers, North Carolina State University
Daniel Foster, Penn State University
Curt Friedel, Louisiana State University
James Greenan, Purdue University
Brad Greiman, University of Minnesota
George Haber, Old Dominion University
Richard Joerger, Minnesota State
Neil Knobloch, Purdue University
Joe Kotrlik, Louisiana State University
Pradeep Kotamraju, National Research Center for CTE
Frankie Laanan, Iowa State University
Vernon Luft, University of Nevada, Reno
Robert Martin, Iowa State University
Linda Martinez, Cal State University-Long Beach
Xavier McClung, Valdosta State University
Argie Nichols, UA-Fort Smith
Travis Park, Cornell University
Robin Parker, Mississippi State University
Rama Radhakrishna, Penn State University
Michael Retailllick, Iowa State University
Jay Rojewski, University of Georgia
Gloria Sandoval, University of New Mexico-Los Alamos
Carsten Schmidtke, University of Arkansas
Mary Jo Self, Oklahoma State University

SYMPOSIA REVIEWERS

Edward C. Mann, The University of Southern Mississippi
Reynaldo L. Martinez Jr., Valdosta State University
Jason Scales, Central Missouri State University
Jeno Rivera, Michigan State University

Debra Steele, UA-Fort Smith
Daisy Stewart, Virginia Tech University
Janet Taber, Lone Star College- CyFair
Allen Talbert, Purdue University
Barbara Taylor, Western New Mexico
Allen Truell, Ball State University
Brenda Tuckwiller, WVU Tech University
Shakoor Ward, Penn State University
Brian Warnick, Utah State University
Richard Zinser, Western Michigan University
Chris Zirkle, The Ohio State University
Beth Wilson, North Carolina State University

David Jones, North Carolina State University
James Gregson, University of Idaho
Michael S. Retallick, Iowa State University
Curtis R. Friedel, Louisiana State University
ACKNOWLEDGMENTS

The Association for Career and Technical Education Research, The Academy, and Omicron Tau Theta wish to thank the following individuals and organizations for their support of this conference:

Donna Le, Iowa State University
Marguerite Leishman, ACTE
Peter Magnuson, ACTE
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

For more information about the Association for Career and Technical Education Research (ACTER), visit www.acteronline.org