



2007 ITEA Conference / San Antonio CTTE Presentation and Meeting Schedule

Wednesday, March 14, 2007

2:00-5:00pm

CTTE Executive Committee Meeting

6:00pm-8:30pm

CTTE Yearbook Dinner

8:30pm-12:00 Midnight

CTTE Yearbook Committee Meeting

Thursday, March 15, 2007

7:30am-9:00am

CTTE Committee Chair Breakfast

11:00am-12:00 noon (two separate presentations)

CTTE Interest Session Presentations

“Engineers and Educators Perceptions of Engineering Education”

Session Description: Engineering Education may be complex or simple by ones perception. This paper explores the different views in Engineering and Education disciplines about its basics.

Presenters: John Mativo & Vivian Mativo

“Identifying and Incorporating Engineering into Teacher Education”

Session Description: This presentation will report on findings from a Delphi study which identified engineering competencies that teachers should be developing in their high school students.

Presenters: Kara S. Harris & George E. Rogers

1:00pm-3:00pm

ITEA / CTTE / NCATE Report Reviewers Workshop

Training program for ITEA / CTTE / NCATE program report reviewers. Workshop is by invitation only.

Presenters: John Ritz & Jerry Day

2:00-4:00 pm

CTTE Interest Session Presentation

“CTTE Research Committee Presentations”

Session Description: The results of three separate research studies will be presented.

“A Choice for Doctoral Education?”

Presenter: Jim Flowers

“Teamwork and Technological Problem Solving”

Presenter: Mark Springston

“Technology Education Teaching and Learning Project”

Presenter: Mark Sanders

3:00pm-5:00pm

ITEA / CTTE / NCATE Program Report Writers Workshop

Workshop provides guidance and information to assist ITEA / CTTE / NCATE program reports writers in writing and assembling program accreditation materials.

Presenters: John Ritz & Jerry Day

4:00pm-5:00pm

CTTE Interest Session Presentation

“Attaining Science Concepts Using Computer Simulations”

Session Description: Can computer simulations increase the concepts 8th grade students attain regarding simple machines? Results from research comparing traditional teaching environments to computer simulations are presented.

Presenter: Sylvia Tiala

6:00pm-9:00pm

ITEA-CS / CTTE Yearbook Dinner (tickets may be purchased; attendance is open)

Friday, March 16, 2007

11:00am-12:00 noon (two separate presentations)

CTTE Interest Session Presentations

“Integrating Engineering into Technology Teacher Education”

Session Description: A panel presentation describing four university courses designed to introduce pre-service and in-service teachers to engineering careers, principles, and design. Course syllabi will be provided.

Presenters: Kenneth Welty, Chris Merrill, Steve Shumway, & Roger Hill

“Best Practices in Engineering and Technology Education”

Session Description: Findings from a fall sabbatical to examine best practices in preparing teachers for, and delivering engineering in technology education secondary programs from across the country.

Presenter: Glenn R. Hider

1:00pm-2:00pm (two separate presentations)

CTTE Interest Session Presentations

“African American Students’ Perceptions of Technical Careers”

Session Description: Report of a qualitative study examining African American high school students’ perceptions of engineering and technology education as professions and career choices.

Presenter: Cameron Denson, Zanj Avery, & Roger Hill

“Elementary Teachers’ Self-Efficacy for Teaching Engineering Design”

Session Description: This presentation will tell about a research project that will develop and then validate a reliable instrument to measure pre-service elementary school teachers’ self-efficacy for teaching age-appropriate engineering design.

Presenter: Charles Linnell

2:00pm-5:00pm

CTTE Business Meeting and Committee Work Sessions

Saturday, March 17, 2007

9:00am – 10:00am

CTTE Executive Committee Meeting

9:00am-11:00am

CTTE-Poster Session

Seventh Graders Perceptions of Engineering, Technology, and Science

Presenters: A. Bland, John Mativo, & David Rouch

Development of an e-Learning System in Technology Teacher Education

Presenters: Jun Moriyama, Kazuhiro Sumi, & Philip Cardon

Video Making for Students

Presenters: Uichiro Nishimura & Kazuhrio Sumi

Research in Elementary School Technology Education

Presenters: Roger Skophammer

Young Women's Perceptions of Technology & Engineering

Presenter: Leah C. Roue

Delivering Core Engineering Concepts to Secondary Students

Presenter: Chris Merrill

Exploring Energy, Power, & Transportation Technology

Presenter: Len Litowitz

VisTE Instructional Materials Development

Presenters: Jeremy Ernst & Aaron Clark

Involving Undergraduate Research in Standards Based Curriculum Development

Presenters: Kara S. Harris, Kari Clase, & Dan Brenner

Analysis of Pre-Service/Licensure Technology Education Programs in the U.S.

Presenter: Brian McAlister

Simulation and Visualization Enhanced Engineering Education

Presenter: Hassan Ndahi

10:00am- 11:00am (two separate presentations)

CTTE Interest Session Presentations

“VisTE: Visualization in Technology Education”

Session Description: This presentation will focus on the significant findings from a four-year study on the development and implementation of visual-based supplemental materials that are standards based for grades 8-12.

Presenters: Aaron Clark & Jeremy Ernst

“Trends in Graduate Education for Technology Education”

Session Description: Review of trends in graduate technology education including coursework, delivery, research, research focuses, and teacher educator supply and demand.

Presenters: John Ritz, Philip Reed, Hassan Ndahi, & Walter Deal

11:00am-12:00noon (two separate presentations)

CTTE Interest Session Presentations

“Technology Education’s Impact: 8th Grade Math Scores”

Session Description: This research study presents empirical data investigating a Missouri school district’s technology education course and its impact on 8th grade state standardized math scores

Presenters: Robert Willis, Barton A. Washer, Michael D. Wright, & Ben Yates

“An Engineer’s Perspective on High School Pre-Engineering Courses”

Session Description: Learn how to create appropriate pre-engineering courses for high school and how TCNJ is training new teachers in pre-engineering principles and pedagogy

Presenters: Daniel Sullivan, John Karsnitz, & Steven O’Brien