95th Conference

Mississippi Valley Technology Teacher Education Conference

Ramada St. Louis Airport, Missouri
November 6-7, 2008

<u>**Thursday, November 6, 2008**</u>

9:00 a.m.   Welcome, Introductions and Announcements

9:30 a.m.   **SESSION I: Issues in Teacher Education**

Presiding: **<u>Dennis Herschbach</u>**, University of Maryland
Session Chair: **<u>John Hansen</u>**, University of Texas at Tyler

1. What is the status of Technology Teacher Education in the United States? Many universities are listed in the *Industrial Teacher Education Directory*, but which universities are really preparing technology teachers? Are programs growing, maintaining, or declining? Are new models and new alliances being formed at universities to prepare technology teachers? Is the impending shortage of technology teachers being addressed by universities?
    <u>Richard Seymour</u>, Ball State University

2. Online technology teacher education programs – which universities are delivering online programs at the undergraduate level to prepare technology teachers? Are there on-line graduate programs to prepare technology teachers? How well do online programs work? Are the students satisfied with the online programs? Is the faculty satisfied with the online programs? To what extent are on-line programs addressing the shortage of qualified technology teachers?
    <u>James Boe</u>, Valley City State University

3. What is the role of the state supervisor in fostering strong technology teacher education programs? To what extent are state supervisors supportive of distance education programs designed to prepare technology teachers? Will distance education be able to address the shortage of qualified technology teachers? What can state supervisors do to strengthen and expand technology teacher education?
    <u>Steve Parrott</u>, Illinois State Board of Education

Noon - 1:15 p.m. **SESSION II: Project Lead the Way**

(lunch session – box lunches provided for members and guests)

Presiding: **George Rogers**, Purdue University
Session Chair: **Richard Grimsley**, Project Lead the Way

1. Project Lead the Way – the Founder's Perspective. What is PLTW? Who is teaching PLTW (are technology teachers teaching it?)? How are teachers prepared to teach PLTW? How expensive is PLTW? Are small and rural schools able to teach PLTW? What research supports the PLTW curriculum?
   Richard Blais, Vice President for State and Corporate Relations
   Project Lead the Way

1:45 p.m. **SESSION III: Issues in Doctoral Education**

Presiding: **Paul Post**, The Ohio State University
Session Chair: **Mohammed Famy**, University of Northern Iowa

1. Doctoral education – many doctoral programs have closed -- fewer and fewer land-grant universities are offering doctoral programs in technology education -- what is the status and is there a future for technology education doctoral programs? To what extent are doctoral programs utilizing distance education courses? What about residency requirements? Who will prepare university TTE faculty of the future?
   Philip Reed/John Ritz, Old Dominion University

2. The National Center for Engineering and Technology Education (NCETE) has had significant funding for two cohorts of PhD students –what has worked and what didn't with this NSF funded Center in its efforts to strengthen doctoral education? What can the profession learn from NCETE and its experiences in order to expand involvement of technology educators in funded research and development projects? To what extent will the PhD programs continue after funding ends?
   Kurt Becker, Utah State University

3. PhD programs in technology and technology management– what is the status of the new programs? Where and why have they been developed? Are they successful in attracting and graduating students? Will these programs help address the shortage of doctorally qualified faculty for technology programs? For technology teacher education programs?
   Tad Foster, Indiana State University

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4:30 p.m.:   **SESSION IV: Business Meeting**

Presiding: **Thomas Erekson**, Western Illinois University

        1. Report of the Membership Committee
        2. Consideration of nominations for membership
        3. Future Conference Sites and Dates
        4. Other Business

Friday, November 7, 2008

8:30 a.m.   **Installation of New Members**
                          Ray Diez, University of North Dakota

9:00 a.m.   **SESSION V: Perspectives of STEM Education**

Presiding: **Martha Cyr**, Worcester Polytechnic Institute
Session Chair: **Chris Merrill**, Illinois State University

1. STEM (science, technology, engineering, and mathematics) education is being discussed and promoted throughout the nation as a means to enable the U.S. to keep its leadership position in the technology-driven global economy. To what extent will the focus on STEM improve student learning in science, mathematics, technology and engineering? Will the umbrella acronym of "STEM" bring disparate programs together to effectively educate students, or will these programs continue to be silos? Will a focus on STEM education bring new approaches to schooling and will it attract more students? What about teachers – are they being prepared to effectively teach STEM? To what extent is the "engineering" component of STEM included in K-12 math, science, and technology education programs?

    The Mathematics Education Perspective:
    Jeff Barrett, Illinois State University

    The Science Education Perspective:
    Donald Powers, Western Illinois University

    The Technology Education Perspective:
    John Wells, Virginia Tech University

11:45 a.m.   **Conference Wrap-Up**
                        Submit Topics for the 2009 Conference

Noon   **Adjournment of the Mississippi Valley Conference**

<u>**Future Mississippi Valley Conferences:**</u>
2009 Conference: October 2009, Nashville, TN (co-located with STEC)
2010 Conference: November, 2010, Chicago, IL

<u>**Other 2009 Conferences:**</u>
ITEA, March 26-28, 2009 in Louisville, KY
ACTE, November 19-21, 2009 in Nashville, TN.
NAIT, November 11-14, 2009 in Louisville, KY.