

ABG20 Committee Meeting at TRB 2010

ABG20 - Transportation Education and Training Committee

Tuesday, January 12, 2010, 10:15AM- 12:00PM, Hilton, Holmead

Chandra R. Bhat and Gregory P. Benz, presiding

Sessions Sponsored or Co-Sponsored by ABG20 Committee at TRB 2010

Workshop 107

Innovative Doctoral Transportation Research by Eisenhower Graduate Fellowship Recipients

Sunday, January 10, 2010, 9:00AM- 12:00PM, Marriott, Thurgood Marshall South

Henry C. Murdaugh, presiding

Sponsored by: *Transportation Education and Training Committee (ABG20)*
Design and Construction (AF000)

This workshop features innovative research by second- and third-year PhD Eisenhower Graduate Fellowship recipients on a broad array of significant transportation topics including congestion management, infrastructure investment, safety, commercial vehicle security, and technology transfer.

Methods for Improving Compliance with Posted Regulations (P10-0779)

Campbell, Robert - University of California, Berkeley

Queueing Models for Aircraft Operations in NextGen (P10-0780)

Nikoleris, Tasos - University of California, Berkeley

Design and Application of a Linear Quadratic Regulator in an Active Steering Control System (P10-0781)

Soubakhsh, Damoon - George Washington University

Estimating Effectiveness of Lane Departure Countermeasures at Rural High-Crash Horizontal Curve Locations in Iowa Using Observational and Measured Crash Surrogates (P10-0782)

Fitzsimmons, Eric J. - Iowa State University

Optimal Vehicle Designs for Uncertain Drive Cycles (P10-0783)

Whitefoot, John - University of Michigan

Organizational Factors in Transit Services (P10-0784)

Rico Rolon, Zaida - University of Puerto Rico, Mayaguez

Session 317

Recruitment and Training Strategies for the Transportation Work Force

Monday, January 11, 2010, 1:30PM- 3:15PM, Hilton, Georgetown West

Gregory P. Benz, presiding

Sponsored by: *Transportation Education and Training Committee (ABG20)*

Participants will learn new strategies and techniques that are being used to improve the transportation workforce, and how to apply these strategies to their own situation(s). The strategies include training program improvements, collaborations with area universities and colleges, and new recruitment opportunities.

A Process for Improving the Design of Transportation Curriculum Materials with Examples (10-1365)

Kyte, Michael - University of Idaho

Dixon, Michael P. - University of Idaho
Abdel-Rahim, Ahmed - University of Idaho
Brown, Shane - Washington State University

Revamping Caltrans Traffic Operations Academy (10-2918)

Wang, Zhongren - California Department of Transportation
Ghezzi, Jacqui - California Department of Transportation
Fong, Adam - California Department of Transportation
Gomez, Diana - California Department of Transportation
Wilbon, Carol - California Department of Transportation

New York Metropolitan Transportation Council Staff Training Program: Collaboration Between NYMTC and New York University Wagner Rudin Center (10-4064)

Duran, Lina - NYU Wagner Rudin Center for Transportation Policy and Management
Gromis, Adam - NYU Wagner Rudin Center for Transportation Policy and Management
Chiao, Kuo-Ann - New York Metropolitan Transportation Council

Opportunities for Recruiting and Training Construction Workers in the Transportation Sector (10-1384)

Hubbard, Bryan John - Purdue University
Hubbard, Sarah Marie Lillo - Indiana LTAP

Poster Session 333

Innovations in Transportation Education

Monday, January 11, 2010, 2:30PM- 5:00PM, Hilton, International Center

Chandra R. Bhat, presiding

Sponsored by: Transportation Education and Training Committee (ABG20)

Increasing Awareness Among Students About Careers in Transportation (10-3999)

Glass, Charles Reginald - Texas Southern University

Session 366

Enhancing Students' Understanding of Core Concepts in Transportation

Monday, January 11, 2010, 3:45PM- 5:30PM, Hilton, Georgetown West

Asha Weinstein Agrawal, presiding

Sponsored by: Transportation Education and Training Committee (ABG20)

This session will provide participants with strategies for attracting students' to the transportation industry on high school and undergraduate levels. Participants will understand how to integrate transportation into curriculums in an effort to share core concepts with students, while attracting them to the transportation industry.

Development and Deployment of a Traffic Control Game Integrated with Traffic Engineering Curriculum for Teaching High School Students (10-1017)

Liao, Chen-Fu - University of Minnesota, Twin Cities
Glick, David B. - David B. Glick & Associates, LLC
Haag, Shawn - University of Minnesota
Baas, Gina - University of Minnesota

Need to Develop Core Concepts and Learning Outcomes for Introductory Transportation Engineering Course (10-3946)

Beyerlein, Steve - University of Idaho
Bill, Andrea R. - University of Wisconsin, Madison

Van Schalkwyk, Ida - Oregon State University
Sanford Bernhardt, Kristen L. - Lafayette College
Young, Rhonda Kae - University of Wyoming
Nambisan, Shashi S - Iowa State University
Turochy, Rod E. - Auburn University

Comparison of Lecture- and Problem-based Learning Styles in an Engineering Laboratory (10-2138)

Hartman, Daniel James - University of Rhode Island
Gindy, Mayrai - Rhode Island University

Student Understanding of Sight Distance in Geometric Design: Beginning Line of Inquiry to Characterize Student Understanding of Transportation Engineering (10-2583)

Andrews, Brock - Washington State University
Brown, Shane - Washington State University
Montfort, Devlin - Washington State University
Dixon, Michael P. - University of Idaho

Prototype Undergraduate Degree Program in Transportation Systems (10-2839)

Saka, Anthony A. - Morgan State University

Session 421

Knowledge Management: Successful Practices for Succession Planning

Tuesday, January 12, 2010, 8:00AM- 9:45AM, Hilton, Jefferson West

Jack R. Stickel, presiding

Sponsored by: *Strategic Management (ABC10)*

Transportation Asset Management (ABC40)

Transportation Education and Training (ABG20)

Technology Transfer (ABG30)

Library and Information Science for Transportation (ABG40)

Transportation History (ABG50)

Statewide Transportation Data and Information Systems (ABJ20)

Visualization in Transportation (ABJ95)

Maintenance and Operations Personnel (AHD15)

Public Transportation (AP000)

What Is Knowledge Management and How Does It Help You? (P10-0592)

Hammer, Maureen L. - Virginia Department of Transportation

Learning How to Train Employees for the Workplace (P10-0796)

Brown, Shane - Washington State University

Planning for the Future: Succession Planning and Knowledge Management (P10-0798)

Pedersen, Neil J. - Maryland State Highway Administration

Workshop 716

Building the 21st Century Workforce: Focus on MPOs and Local/Regional Transportation Agencies

Thursday, January 14, 2010, 8:00 AM - 12:00 PM, Hilton, Jefferson East

Chandra R. Bhat and Gregory P. Benz, presiding

Sponsored by: Policy and Organization Group (AB000)

Management and Productivity Committee (ABC20)

Transportation Education and Training Committee (ABG20)

Metropolitan Policy, Planning, and Processes Committee (ADA20)

Maintenance and Operations Personnel Committee (AHD15)

In this workshop, workforce development needs and strategies of local transportation jurisdictions, metropolitan planning organizations, and regional agencies will be discussed. The workshop will have two presentations by leading MPO and regional council transportation directors, open discussion and brainstorming, discussion of CUTC-RITA transportation workforce development activities in general and with a specific focus on MPOs and regional agency workforce issues, and a wrap-up.

AGENDA

- 8:30 AM** **Welcome and Purpose of Workshop (P10-0946)**
Chandra R. Bhat, University of Texas, Austin
- 8:45 AM** **Workforce Needs and Strategies for the 21st Century: An ARC Perspective (P10-0950)**
Jane D. Hayse, Atlanta Regional Commission
- 9:15 AM** **Workforce Needs and Strategies for the 21st Century: A Baton Rouge MPO perspective (P10-1355)**
Huey P. Dugas, Capital Region Planning Commission
- 9:45 AM** **Open Discussions and Brainstorming (P10-0952)**
- 11:00 AM** **A National Transportation Workforce Development Strategy: Ongoing/Planned CUTC/RITA Activities (P10-0953)**
John Collura, University of Massachusetts, Amherst
Robert Plymale, Rahall Transportation Institute
Robert Bertini, Research and Innovative Technology Administration
- 11:45 AM** **Wrap-Up (P10-0954)**
Gregory P. Benz, Parsons Brinckerhoff, Inc.
- 12:00 Noon** **Adjourn**