

## **SDITE 2008 Annual Meeting Schedule and Technical Program**

### **Sunday, March 30, 2008**

#### **Golf Tournament**

Patriots Point Golf Course, Mt. Pleasant  
shotgun start at 8:00 a.m. (lunch will be provided at noon)

#### **Local Arrangements Committee**

Middleton Room, 7:00 a.m. – 10:00 p.m.

#### **Conference Registration**

Upper Lobby, 12:00 noon - 6:00 p.m.

#### **Strategic Planning Committee**

Laurens Room, 2:00 p.m. – 5:00 p.m.

#### **Technical Workshops** (additional fee \$10 per workshop)

Calhoun Room, 1:00 p.m. – 3:00 p.m.

**Moderator:** Steve Strength, Louisiana DOT, SDITE Past President

- Workshop 1, Proposed 2009 Edition of the MUTCD  
Bruce Friedman, Kimley-Horn Associates

Calhoun Room, 3:00 p.m. – 5:00 p.m.

**Moderator:** Cyndi Pennington, City of Baton Rouge, Deep South ITE Section President

- Workshop 2, Recent Updates to the Highway Capacity Manual and HCS+  
Software  
Bob Foyle, ITRE and Bill Sampson, McTrans Center

#### **Executive Board Meeting**

Colonial Room, 3:00 p.m. – 6:00 p.m.

#### **ABD Exhibit Set Up**

Carolina Ballroom, 4:00 p.m. – 7:00 p.m.

#### **Welcome Reception**

Gold Ballroom, 6:00 p.m. – 7:00 p.m.

#### **ABD Hospitality Suites**

Calhoun, Pickney, Drayton, Rutledge and Laurens Rooms 7:00 p.m. – 10:00 p.m.

## **Monday, March 31, 2008**

### **Spouses Drop-in Breakfast**

Breakfast, Parkview Room, 6:30 a.m. – 9:30 a.m.

### **Officer's Breakfast**

Gold Ballroom, 7:00 a.m. – 8:30 a.m.

### **Light Breakfast**

Carolina Prefunction A, 7:00 a.m. – 8:30 a.m.

### **Local Arrangements Committee**

Middleton Room, 7:00 a.m. – 10:00 p.m.

### **Strategic Planning Committee**

Laurens Room, 7:00 a.m. – 6:00 p.m.

### **Conference Registration**

Upper Lobby, 8:00 a.m. – 5:00 p.m.

### **Spouses Program**

Assemble in Main Lobby, 9:45 a.m.

- Historic district carriage ride
- Market/downtown shopping
- Lunch at Poogan's Porch on Queen St., 12 noon
- Festival of Houses and Gardens (East Battery Tour) , 2:00 pm – 5:00 pm

### **Opening Session**

Colonial Room, 8:30 a.m. – 10:00 a.m.

- Invocation, Color Guard, Pledge, National Anthem
- Welcome, announcements, and roll call of states
- Lt. Gen. John W. Rosa, President of The Citadel, welcome remarks
- The Honorable Joseph P. Riley, Jr., Mayor, City of Charleston, keynote speaker

### **Beverage Break**

Carolina Ballroom and Carolina Prefunction A, 10:00 a.m. – 10:30 a.m.

### **ABD Exhibits**

Carolina Ballroom, 10:00 a.m. – 4:00 p.m.

### **Traffic Bowl Set-Up**

Gold Ballroom, 12:00 noon – 3:30 p.m.

### **Technical Session 1A, Safety, Safety – More than a Slogan, more than a Mantra**

Colonial Room, 10:30 a.m. – 12:00 noon

**Moderator:** Chris Reeves, City of Hoover, AL, ALSITE President

- Auto Crashes: They're No Accident  
Bob Mabry, Mississippi DOT, MS
- South Carolina's Strategic Highway Safety Plan  
Terecia Wilson, South Carolina DOT, SC
- Evaluating Weaving Sections Through their Safety Assessment

- Srinivas Pulugurtha, UNC Charlotte, NC
- Analysis of Rainfall, Accident Relationships Using high-Resolution Radar-Rainfall Data  
Xiaoduan Sun, University of Louisiana, Lafayette, LA

**Technical Session 1B**, Unique and Innovative Designs; Can you D.I.G. it? – Designing Intersection Guidance

Calhoun Room, 10:30 a.m. – 12:00 noon

**Moderator:** Carla Holmes, Grice and Associates, GA, GAITE President

- Design of Continuous Flow Intersections in Tightly Constrained ROWs  
Paul Gruner, Gresham Smith & Partners, OH
- Circular Logic: Davidson's New Dual Lane Roundabouts  
G. Wade Walker, Kubilins Transportation Group, NC
- Keystone Ave. Corridor's Facelift in Carmel, Indiana  
Michael McBride, City of Carmel, Indiana and  
Craig Parks, American Structurepoint, IN
- Analysis of Non-Traditional, High Volume Intersection Design  
Caroline Kone, WSP Sells, NC

**Technical Session 1C**, Finance and Funding – Find 'em, Track 'em and Use 'em Well!

Pickney Room, 10:30 a.m. – 12:00 noon

**Moderator:** Steve Meyer, Volkert and Associates, TN, TSITE President

- Innovative Strategies for Matching State Infrastructure Bank Grants  
David Castle, Wilbur Smith Associates, SC
- Dashboard Tools for the Program Development Branch-NCDOT  
Majed Al Ghandour, North Carolina DOT, NC
- GDOT's Fast Forward Initiative – Select Program Summaries  
Shahram Malek, ITERIS, Marwan Abboud, Arcadis, and Mike Holt, Gresham Smith & Partners, GA

**Lunch sponsored by ABD** (ticket required)

Carolina Ballroom and Carolina Prefunction A, 12:00 noon – 1:30 p.m.

**Technical Session 2A**, Public Outreach – Get' em Out Early and Get' em Out Often

Colonial Room, 1:30 p.m. – 3:00 p.m.

**Moderator:** Colin Kinton, Beaufort County, SC, SDITE President

- Reconnection of a Community-Demolition of the Cooper River Bridge, Charleston  
Charles Dwyer, Earth Tech, SC and  
Ken Canty, Charleston County RoadWise, SC
- State Route 216 Safety Study: The Benefits of Public Involvement  
Becky White and Scott Cothron, Sain Associates, AL
- Environmental Justice and the Public Involvement Process  
Beverly Davis RS&H, GA and Radha Swayampakala, RS&H, NC

**Technical Session 2B**, Speed and Safety – We Have a Need for a Safe Speed

Calhoun Room, 1:30 p.m. – 3:00 p.m.

**Moderator:** Tim Foster, County of Henrico, VA, VASITE Vice-President

- Chattanooga's Photo Enforcement Program  
John Van Winkle, City of Chattanooga, TN
- Driver Compliance with Advisory Speed and its Operational Implications  
Yan Zhou, Clemson University, SC

- Transition Zones Between Rural and Built-up Areas  
Nick Stamatiadis, University of Kentucky at Lexington, KY

**Technical Session 2C, Join AAA: All About Access**

Pickney Room, 1:30 p.m. – 3:00 p.m.

**Moderator:** Scott Walker, Parsons Brinckerhoff, KYSITE Vice-President

Updating SCDOT's Access Management Manual

Jae Mattox, III, South Carolina DOT, SC

Franklin County Access Management Guidebook

Andy Boenau, VHB, VA

Safety Effects of Driveways near Signalized Intersections & Interchange Ramps

Reza Jafari, WSP Sells, NC

**Snack and Beverage Break** (last chance to view ABD exhibits)

Carolina Ballroom and Carolina Prefunction A, 3:00 p.m. – 3:30 p.m.

**Traffic Bowl Preliminary Rounds**

Gold Ballroom, 3:30 p.m. – 5:00 p.m.

**Poster Session, A Panoramic View of The S.O.U.T.H.**

Carolina Prefunction A, 3:30 p.m. – 4:45 p.m.

Synthesis of Roundabouts with Slip Lanes

Majed Al-Ghandour, North Carolina DOT, NC

Contra-Flow Left Interchange Design, Operation and Safety Issues

Reza Jafari, WSP Sells, NC

Kentucky Exposition Center Traffic Flow Master Plan

Tony Lewis, Gresham, Smith & Partners, KY

A Systems Engineering Process for Selecting Traffic Signal System Software

Kevin Smith, Kimley-Horn Associates, NC

Conversion of one-way street pairs to two-way operations in downtown Birmingham

Virginia Sisiopiku, University of Alabama at Birmingham, AL

Business I-40 Reconstruction Project – Traffic Control and Traffic Forecasting

Radha Krishna Swayampakala, RS&H, NC

An Evaluation of Relationship between Pavement Macrotexture and

Crashes on North Carolina Highways

Srinivas Pulugurtha and Prasanna Kusam, UNC Charlotte, NC

Cost and Benefits of Implementing Safety Analysis in State Transportation Agencies

Priyanka Alluri and Jennifer Ogle, Clemson University, SC

Assessment of Pedestrian Facility Safety on the Clemson University Campus, SC

Gabb Dobbs, SC

Traffic Signal Warrant-Summer Study

Zachary Bugg, Mississippi State University, MS

Mobility Improvements through Regional Partnerships

Joe Milazzo II, Regional Transportation Alliance, NC

**ABD Event, Carolina Beach Party** (ticket required)

Citadel Beach House, Isle of Palms, 6:30 p.m – 9:00 p.m.

- Motor coaches begin departing Frances Marion Hotel at 5:30 p.m.
- Motor coaches begin returning from Beach House at 9:00 p.m.

## **Tuesday, April 1, 2008**

### **Spouses Drop-in Breakfast**

Breakfast, Parkview Room 6:30 a.m. – 8:45 a.m.

### **Section's Breakfast** (\$20 cash only, pay at the door)

Carolina Ballroom, 7:00 a.m. – 8:15 a.m.

### **Local Arrangements Committee**

Middleton Room, 7:00 a.m. – 10:00 p.m.

### **Strategic Planning Committee**

Laurens Room, 7:00 a.m. – 6:00 p.m.

### **Conference Registration**

Upper Lobby, 8:00 a.m. – 5:00 p.m.

### **Spouses Program**

Assemble in Main Lobby, 9:00 a.m.

- Trip to Middleton Place Plantation & Gardens
- Lunch at Middleton Place
- Afternoon options: harbor tour, cooking class

### **SDITE Annual Business Meeting**

Colonial Room, 8:30 a.m. -10:00 a.m.

### **ABD Annual Business Meeting**

Drayton Room, 8:30 a.m. – 10:00 a.m.

### **Traffic Bowl Set-Up**

Carolina Ballroom, 9:00 a.m. – 12:00 noon

### **Beverage Break**

Carolina Prefunction A, 10:00 a.m. – 10:30 a.m.

### **Technical Session 3A, Safety N.O.W. – No Other Way!**

Colonial Room, 10:30 a.m. – 12:00 noon

**Moderator:** Jeff Hammond, RPM Transportation Consultants, TN, TN Section Representative

- Crash Locations in South Carolina  
Wayne Sarasua and Jennifer Ogle, Clemson University, SC
- Advanced Method for Identifying and Prioritizing Hazardous Signalized Intersections for Safety and Operations  
In-Kyu Lim, Virginia DOT, VA
- TDOT's Work Zone & Mobility Initiative, Providing Maximum Safety & Minimum Impact  
Dyan Damron, Neel-Schaffer, TN

**Technical Session 3B**, TIAs: If you build it, they will drive there...

Calhoun Room, 10:30 a.m. – 12:00 noon

**Moderator:** Stephanie Privette, Kimley-Horn and Associates, NC, NCSITE Vice-President

- Memorandum of Understanding for Traffic Impact Analyses-Bridging the Communication Gap between Public Agencies and Private Developers  
Michael Surasky, WSP Sells, NC
- Traffic Operational Impacts of Contemporary Multi-Pump Island Fueling Stations  
Chris Cunningham, N.C. State University, NC
- Reverse Traffic Impact Analysis as a Site Planning Tool for Major Development  
Vijay Narapsetty, Gresham Smith & Partners, TN

**Technical Session 3C**, Street Design – Landscape, Streetscape and Context Sensitive Design

Pickney Room, 10:30 a.m. – 12:00 noon

**Moderator:** Jeff Moore, KY Transportation Cabinet, District 3, KYSITE President

- Cary Streetscape: Art and Functionality  
Tyson Graves and Richard Lee, Arcadis, NC
- Downtown Traffic and Parking Changes in Greensboro, NC  
Adam Fischer, City of Greensboro, NC
- Steaming the CRAB: Serving Land Use and Traffic in the Lowcountry through Context Sensitive Design  
Brad Morrison, Town of Mt. Pleasant, SC, Bill Eubanks, Seamon Whiteside & Associates, and Larry Meisner, Kimley-Horn and Associates, SC

**Lunch and Traffic Bowl Final Round**

Carolina Ballroom, 12:00 noon – 1:30 p.m.

**Technical Session 4A**, Security and Special Events-Code Green?

Colonial Room, 1:30 p.m. – 3:00 p.m.

**Moderator:** Keith Hogsted, Datasmarts, GA, GA Section-District Representative

- Development of a Dynamic Traffic Assignment Model to Evaluate Lane Reversal Plans for Hurricane Evacuations on I-65  
Johnnie Waid, Auburn University, and  
Virginia Sisiopiku, University of Alabama at Birmingham, AL
- A Better and Safer US Highway 90 Along the Mississippi Gulf Coast  
Mike Stokes, Mississippi DOT, MS
- Traffic Operations Initiatives for Special Olympics NC Summer Games  
Mike Reese, North Carolina DOT, NC

**Technical Session 4B**, Signals: Green Means go; Yellow Evidently Means Something Else?

Calhoun Room, 1:30 p.m. – 3:00 p.m.

**Moderator:** Mark McDonald, City of High Point, NC, NC Section-District Representative

- A Comparison of Simulated Traffic Delay to Actual Delay  
Roy Berryman, Univ. of Alabama at Huntsville, AL
- Traffic Signal Coordination—Getting the Details Right  
Tom Urbanik, and Airton Kohls, University of Tennessee at Knoxville, TN
- Signal Inventory Form (SIF) Program  
Carol Jones, and Patty Langeland, South Carolina DOT, SC
- Safety in Numbers – A Corridor Case Study  
Steven W. Cummins, Lexington-Fayette County, KY

**Snack and Beverage Break**

Carolina Prefunction A, 3:00 p.m. – 3:15 p.m.

**Technical Field Trip**, Cooper River Bridge & SC State Port Authority (additional fee \$10)

Carolina Belle, Charleston Maritime Center, 3:15 p.m. – 5:00 p.m.

- Ground transport to ship via 3 options: walk, CARTA, or van shuttle, 3:00 – 3:15 p.m.
- Return to hotel using one of the 3 ground transportation options , 5:00 – 5:30 p.m.

**Technical Session 5A**, Go LEFT: Learn Environmentally Friendly Travel Modes

Calhoun Room, 3:15 p.m. – 5:00 p.m.

**Moderator:** Mike Ridgeway, SRS Engineering, Columbia, SC, SCITE Past President

- Commuter Rail Feasibility Study in the Charleston Area: A Status Report  
Jennifer Humphreys, Wilbur Smith Associates, SC
- Get on the Bus: Traffic Signal Priority Control and Bus Rapid Transit  
Peggy Vonsherie Allen, Dekalb County Traffic Engineering, GA
- Building Bicycle Friendly Communities  
Mohammad Nouri, HNTB Corp., KY
- KIPDA Interchange Bicycle/Pedestrian Safety Study—A Guide for Improving Bicycle/Pedestrian Safety through Interchanges  
Shawn Dikes and Lindsay Walker, PB Americas, KY

**Officers' Reception** (ticket required)

Gold Ballroom, 6:00 p.m. – 7:00 p.m.

**Annual Awards Banquet** (ticket required)

Carolina Ballroom, 7:00 – 10:00 p.m.

- Keynote Speaker
- SDITE President's Address
- Awards presentation
- Invitation to Birmingham

## **Wednesday, April 2, 2008**

### **Local Arrangement Committee's Breakfast**

Calhoun Room, 7:30 a.m. – 9:30 p.m.

### **Local Arrangements Committee**

Middleton Room, 7:00 a.m. – 2:00 p.m.

### **Strategic Planning Committee**

Laurens Room, 7:00 a.m. – 11:30 p.m.

### **Beverage Break**

Colonial Room, 9:45 a.m. – 10:00 a.m.

### **Professional Development Sessions**

Session 1, Workforce Development

Colonial Room, 8:00 a.m. – 9:45 a.m.

**Moderator:** Jo Anne Tingle, KY Transportation Cabinet, District 3, KYSITE Director

- Building the 21st Century Workforce  
Jo Anne Tingle, KY Transportation Cabinet, KY  
Carl Baughman, City of Franklin, TN Traffic/Transportation Engineer  
Jeff Moore, Kentucky Transportation Cabinet, KY

Session 2, Professional Development

Colonial Room, 10:00 a.m. – 11:45 a.m.

**Moderator:** Richard Atkins, Triad Transportation Partnerships, NC, SDITE Past President

- Who are your Leaders?  
Victor Poteat, PBS&J, NC
- Developing Leaders for Our Industry: A Case Study  
Victor Poteat, PBS&J, NC