

# PRELIMINARY PROGRAM

Transportation and Highway Engineering Conference

February 27 & 28, 2018

With Pre-Conference Activities on February 26

## Pre-Conference Activities

Monday, February 26

### Short Courses

I Hotel & Conference Center

1900 1<sup>st</sup> Street

Champaign, IL

Lincoln Room

9:00 am- 12:00 pm

*3D Reality Modeling and Predictive Data Analytics in Transportation Construction & Operation Management*

Mani Golparvar Fard

CEO and Co-Founder of Reconstruct, Inc.

Associate Professor of Civil Engineering, Computer Science, and Technology Entrepreneurship

University of Illinois at Urbana-Champaign

Urbana, IL

12:00- 1:00-Lunch

1:00 pm- 4:00 pm

*101 Pavement Life Cycle Assessment*

Imad L. Al-Qadi

Professor, Department of Civil & Environmental Engineering

Director, Illinois Center for Transportation

University of Illinois at Urbana-Champaign

Urbana, IL

### Department of Civil & Environmental Engineering Student Opportunity

Newmark Civil Engineering Laboratory

Room 2312

Moderator- Brian Umbright, EXP, Inc.

4:30 pm- 5:30 pm- *Civil Engineering Careers at Public Agencies*

Panel Discussion with IDOT, Illinois Tollway and the Illinois Association of County Engineers

Bruce Bird, County Engineer and former IACE President, Macon County

Greg Stukel, Deputy Chief of Program Controls/System Integrity, Illinois Tollway

Maureen Kastl, Bureau Chief, Central Bureau of Local Roads & Streets, Illinois Department of Transportation

### Fish Fry at Legends

522 E Green Street, Champaign, IL

5:00 pm- 9:00 pm- included in your conference registration

## **General Session**

**Tuesday, February 27**

**Illini Union ABC**

**Moderator: Jeff Roesler, UIUC**

**9:00 am**

### ***Opening Remarks***

**Jeff Roesler**

**Conference Director, Professor and Associate Head for Graduate Affairs**

**Department of Civil & Environmental Engineering**

**University of Illinois at Urbana-Champaign**

**Urbana, IL**

**9:05 am**

### ***Jane Addams Memorial Tollway Widening and Reconstruction***

**Pete Foernsler**

**Deputy Chief of Program Implementation**

**Illinois Tollway**

**Downers Grove, IL**

**9:40 am**

### ***I-85 Collapse and Reconstruction***

**John L. Hibbard**

**Operations Division Director**

**Georgia Department of Transportation**

**Atlanta, Georgia**

**10:25 am**

**Break**

**10:45 am**

### ***Professional Responsibility for Engineers***

**Anne Blume**

**Office Managing Partner**

**Cozen O'Connor**

**Chicago, IL**

**Melissa Roberts**

**Vice President**

**USI Insurance Services LLC**

**Chicago, IL**

**11:45 am- 12:15 pm**

### ***Constructing O'Hare Airport's Future: Not Just Runways***

**Alex Leon**

**Deputy Commissioner of Design & Construction**

**Chicago Department of Aviation**

**Chicago, IL**

**Jerzy Jaworski**

**Assistant Commissioner of Design & Construction**

**Chicago Department of Aviation**

**Chicago, IL**

## **Bridges & Structures**

**Tuesday, February 27**

**Room 314 A & B**

**Moderator: Jim Klein, Acting Bureau Chief, Illinois Department of Transportation, Springfield, IL**

**1:30 pm**

***Field Performance of Integral Abutment Bridges***

**James M. LaFave**

**Professor and Associate Head and Director of Undergraduate Studies**

**Department of Civil & Environmental Engineering**

**University of Illinois at Urbana-Champaign**

**Urbana, IL**

**2:10 pm**

***Illinois 115 over Gar Creek Accelerated Bridge Replacement***

**Stan Kaderbek, S.E., P.E.**

**Vice President**

**Milhouse Engineering & Construction, Inc.**

**Chicago, IL**

**Chad Hodel, S.E., P.E.**

**Senior Associate**

**WHKS & Co.**

**Springfield, IL**

**2:50 pm**

**Break**

**3:10 pm**

***Innovations in Tied Arch Bridges***

**Dr. Shankar Nair**

**Senior Vice President**

**EXP**

**Chicago, IL**

**3:50 pm**

***I-74 Mississippi Bridge Foundations***

**Andrew J. Keaschall**

**VP, Illinois Structural Group Manager**

**Alfred Benesch & Company**

**Chicago, IL**

**4:30-7:00 pm    BBQ Dinner, Illinois Ballroom**

## **Design, Construction & Environment**

**Tuesday, February 27**

**Illini Union A**

**Moderator: Laura Heckel, Senior Civil Engineering Consultant, Bureau of Research, Illinois Department of Transportation, Springfield, IL**

**1:30 pm**

***IDOT's Environmental Process***

**Felecia Hurley**

**Natural Resources Specialist**

**Illinois Department of Transportation**

**Springfield, IL**

**John Sherrill**

**Socio-economic Specialist**

**Illinois Department of Transportation**

**Springfield, IL**

**2:10 pm**

***Performance Based Practical Design***

**George Merritt**

**Senior Safety and Geometric Design Engineer**

**FHWA**

**Atlanta, Georgia**

**2:50 pm**

**Break**

**3:10 pm**

***Early Opening Strength of Fibrous Concrete for Pavement***

**Dr. Mohsen A. Issa**

**Professor, Department of Structural and Materials Engineering**

**Director of Structural and Concrete Research Laboratory**

**University of Illinois at Chicago**

**Chicago, IL**

**3:50 pm**

***The Jane Byrne (Circle) Interchange: Milestone Overview & Highlights***

**Brian Kuttab**

**Project Manager**

**Illinois Department of Transportation**

**Schaumburg, IL**

**Eric Ray**

**Resident Engineer**

**Illinois Department of Transportation**

**Schaumburg, IL**

**4:30-7:00 pm    BBQ Dinner, Illinois Ballroom**

## **Traffic, Operations & Safety**

**Tuesday, February 27**

**Illini Union B**

**Moderator: Jon M. McCormick, Safety Policy & Initiatives Engineer, Illinois Department of Transportation, Springfield, IL**

**1:30 pm**

***Guidelines for Pedestrian Treatments at Uncontrolled Locations***

**Yan Qi**

**Assistant Professor, Civil Engineering Department**

**Southern Illinois University**

**Edwardsville, IL**

**2:10 pm**

***Illinois Tollway M-1 Maintenance Facility Reconstruction***

**Ed Flores**

**Deputy Program Manager**

**Illinois Tollway**

**Downers Grove, IL**

**Richard Hanba**

**Project Manager**

**Illinois Tollway**

**Downers Grove, IL**

**2:50 pm**

**Break**

**3:10 pm**

***Do More Emergency Lights Make You Safer?***

**Captain Mark Karczewski**

**Illinois State Police**

**Springfield, IL**

**3:50 pm**

***Modest Improvements for More Bicycle-Friendly Road Projects***

**Ed Barsotti**

**Chief Programs Officer**

**Ride Illinois**

**Aurora, IL**

**4:30-7:00 pm    BBQ Dinner, Illinois Ballroom**

## **Local Roads & Streets**

**Tuesday, February 27**

**Illini Union C**

**Moderator: Dale Rasmussen, Stephenson County Engineer, Freeport, IL**

**1:30 pm**

***Illinois Public Works Mutual Aid Network-IPWMAN***

**Barbara Stiehl**

**Assistant to the Director**

**Urbana Public Works Department**

**Urbana, IL**

**2:10 pm**

***Roundabout in a Cornfield-Illinois Route 47 at Burlington Road***

**Jennifer O'Connell**

**Senior Project Manager**

**Kane County Division of Transportation**

**St. Charles, IL**

**Matt Papirnik**

**Associate Civil Engineer/Project Manager**

**Burns & McDonnell**

**Chicago, IL**

**2:50 pm**

**Break**

**3:10 pm**

***Pavement to Gravel Conversion***

**Craig Fink**

**County Engineer**

**Tazewell County**

**Tremont, IL**

**Brad Skinner**

**County Engineer**

**Montgomery County**

**Red Oak, IA**

**3:50 pm**

***Cold In-Place Recycling***

**Aaron Osman**

**Dunn Company**

**Decatur, IL**

**4:30-7:00 pm    BBQ Dinner, Illinois Ballroom**

**General Session**

**Wednesday, February 28**

**Illini Union AB**

**Moderator: Jeff Roesler, UIUC**

**8:00 am**

***Opening Remarks***

**Jeff Roesler**

**Conference Director, Professor and Associate Head for Graduate Affairs**

**Department of Civil & Environmental Engineering**

**University of Illinois at Urbana-Champaign**

**Urbana, IL**

**8:05**

***Federal View***

**Renee Sigel**

**Office Director for Safety Programs**

**FHWA**

**Washington, DC**

**8:25 am**

***ICT Update***

**Imad L. Al-Qadi**

**Professor, Department of Civil & Environmental Engineering**

**Director, Illinois Center for Transportation**

**University of Illinois at Urbana-Champaign**

**Urbana, IL**

**Highlighted ICT Project: *Drilled Shaft Design in Weak Illinois Rocks***

**Timothy D. Stark**

**Professor, Department of Civil & Environmental Engineering**

**University of Illinois at Urbana-Champaign**

**Urbana, IL**

**9:15 am**

***Performance-Based Decision Making in Illinois***

**Erin Aleman**

**Director, Office of Planning and Programming**

**Illinois Department of Transportation**

**Chicago, IL**

**9:35 am**

***Wind Engineering Research at UIUC***

**Franklin T. Lombardo**

**Assistant Professor, Department of Civil & Environmental Engineering**

**University of Illinois at Urbana-Champaign**

**Urbana, IL**

**10:15 am**

**Break**

**10:40 am**

***Tollway Update***

**Greg Bedalov  
Executive Director  
Illinois Tollway  
Downers Grove, IL**

**11:00 am**

***Awards Presentations***

**IACE UIUC Student Scholarship and Zone Awards  
David Marth  
Green County Engineer  
President of the Illinois Association of County Engineers  
Carrollton, IL**

**FHWA Engineer of the Year Award**

**Catherine Bailey  
Division Administrator  
FHWA-Illinois Division  
Springfield, IL**

**ICT/IDOT TRP Chair of the Year and High Impact Research Award**

**Kristi Anderson  
Financial Operations Manager  
Illinois Center for Transportation (ICT)  
University of Illinois Urbana- Champaign**

**IDOT Awards**

**Tim Kell  
Engineer of Construction  
Illinois Department of Transportation  
Springfield, IL**

**12:15 pm**

***Annual Luncheon (Illini Room C)***

***Evolution of Ride Sharing in Transportation***

**Prashanthi Rao Raman  
Director of Public Policy  
Lyft  
Chicago, IL**