

# Forum Schedule

- 8:00 a.m. **Continental Breakfast**
- 9:00 a.m. **Opening Remarks**  
Mara Campbell, MoDOT  
John Carney, Missouri S&T  
Kevin Ward, FHWA
- 9:40 a.m. **MoDOT Perspectives**  
Kevin Keith, MoDOT
- 10:10 a.m. **Research Presentation**  
*Diverging Diamond*  
Tom Ryan, HDR Engineering  
Joe Rickman, MoDOT
- 10:45 a.m. **Tour of Missouri S&T Labs**
- 11:30 a.m. **Networking Lunch**  
*Sponsored by LTAP*
- 12:30 p.m. **Research Presentation**  
*The Future of Surveying and Material Compaction*  
George Kopp, MoDOT  
Bill Stone, MoDOT
- 1:15 p.m. **Achievement Award**
- 1:25 p.m. **MoDOT Thrust Areas**  
Erik Loehr, UMC  
Genda Chen, Missouri S&T
- 2:15 p.m. **Break**
- 2:30 p.m. **MoDOT Research Needs**  
MoDOT Panel
- 3:15 p.m. **MoDOT's Research Process**  
Bill Stone, MoDOT
- 3:45 p.m. **Q&A Session**
- 4:15 p.m. **Closing Remarks**



## Research Achievement Award **Erik Loehr, Ph.D., P.E.**

Erik Loehr is the director of research and an associate professor in the Civil and Environmental Engineering Department at the University of Missouri. He is a winner of the National Science Foundation

CAREER Award - a prestigious honor for junior faculty members - and a winner of the 2004-2005 James M. Robbins Excellence in Teaching Award. He has performed research for agencies such as the National Science Foundation and the Federal Highway Administration as well as for a number of private contractors and companies. Loehr's recent research projects include development and evaluation of techniques for using recycled plastic reinforcement to stabilize surficial slope failures, large-scale laboratory and numerical evaluation of reticulated micropile systems for slope stabilization, development of a constitutive model to predict the behavior of fiber-reinforced soils, application of asset management principles to geotechnical engineering systems, reliability-based design of earth slopes and retaining structures and application of load and resistance factor design (LRFD) to earth slopes. Recently, Loehr completed a large-scale project for MoDOT to calibrate LRFD factors for Missouri. He is a licensed professional engineer in Missouri.



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*Missouri Department of Transportation*

# Transportation Research Forum

*What's on the  
Horizon?*

**March 10, 2011**  
**Rolla, Missouri**

# Forum Speakers

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## Mara Campbell, MoDOT



Mara is the organizational results director for MoDOT and is responsible for coordinating organizational performance management along with essential process and quality efforts coupled with innovative and applicable transportation research. She represents MoDOT on the AASHTO's Standing Committee on Performance Management, and AASHTO's Research Advisory Committee.

## Kevin Keith, MoDOT



Kevin currently serves as the director of MoDOT. In this position, he oversees the agency responsible for designing, building, operating and maintaining Missouri's transportation system. He graduated from the University of Missouri-Columbia with a bachelor's degree in civil engineering in 1982. Keith is a licensed professional engineer.

## George Kopp, MoDOT



George is the CADD services engineer at MoDOT. He graduated from the University of Missouri-Columbia with a bachelor's degree in civil engineering. George is vice chairman of the AASHTO Technical Committee on Electronic Engineering Data and a licensed professional engineer.

## John Carney, Missouri S&T



John Carney is the chancellor for the Missouri University of Science and Technology. He holds a bachelor's, master's and doctorate degree in civil engineering. His recent research has focused on developing reusable, maintenance-free impact attenuation devices for transportation safety applications. Carney is a fellow of the American Society of Civil Engineers.

## Tom Ryan, HDR Engineering



As senior traffic engineer with HDR, Tom brings with him 28 years of experience working for the Missouri Department of Transportation. He works on a wide range of projects involving research, roadway design and operations, non-motorized transportation design, traffic engineering and transportation planning. Ryan is involved with several state and national research efforts.

## Bill Stone, MoDOT



Bill currently serves MoDOT as an Organizational Performance Administrator. During his 26 years with MoDOT, he has worked in the Bridge Design, Bridge Maintenance, Traffic and Transportation Planning Divisions. He graduated from the University of Missouri-Rolla in 1984 with a bachelor's degree in civil engineering. Stone is a licensed professional engineer.

## Kevin Ward, FHWA



Kevin Ward is the Missouri Division Administrator for the Federal Highway Administration. Kevin joined FHWA in 1993 after receiving his BSCE degree from the University of Missouri-Columbia and is a registered professional engineer in Missouri. Kevin has experience working in Missouri, Illinois, Texas and Washington State.

## Joe Rickman, MoDOT



At MoDOT, Joe is the district traffic engineer and has worked for the department for more than 23 years in construction and traffic. He serves as the chairperson for the region's Missouri Coalition for Roadway Safety, which had the largest reduction in fatalities in the state during 2007. Rickman also was MoDOT's first statewide work zone coordinator.

## Genda Chen, Missouri S&T



Genda Chen is the interim director of the Center for Infrastructure Engineering Studies. Chen holds a doctorate degree in civil engineering. He has been principal investigator and co-principal investigator on over 55 research projects. Chen is a licensed professional engineer.