

The 4th IACIP Annual Workshop

The Fourth US-China Workshop on Research and Education Collaboration
in Transportation Infrastructure

Saturday January 11, 2014 from 1:00PM to 6:00PM

Location: Marriott Hotel, **Room:** Thurgood Marshall South

Sponsor

**Fahe LLC (U.S.A.); Shanghai Fahe Bridge and Tunnel Maintenance
Technology Company (上海法赫桥梁隧道养护工程技术有限公司) (China)**
<http://www.fahe-qs.com>

Co-Sponsor

Western Transportation Institute (WTI) Winter Maintenance & Effects Program
<http://www.coe.montana.edu/wti/wwwshare/Corrosion/WinterMaintenance&EffectsProgram.pdf>

12:30 – 1:00	Registration (Coordinator: Dr. Bill Yu)
1:00 – 1:15	Conference Opening by Dr. Ming Xiao, Chair of 2014 IACIP Annual Workshop Introduction of members of the organizing committee Acknowledge the sponsors of the annual workshop
1:15 – 1:30	Welcome remark by Dr. Linbing Wang, President of IACIP
1:30 – 3:00	Moderators: Dr. Jie Han, Dr. Baoshan Huang <ol style="list-style-type: none"> 1. Dr. Mang Tia, University of Florida, “Evaluation of Long-Life Concrete Pavements with Service Lives of Over 50 Years.” 2. Dr. Chia-pei Chou, National Taiwan University, “Cost Saving and CO₂ Reduction of Pavement From a Life Cycle Approach.” 3. Dr. Jian Xu, Research Institute of Highway, Ministry of Transport, China “Current Status of RAP Application in China.” 4. Dr. Jie Yuan, Tongji University, China. “State of the Art: Airport Pavement Design and Management in China.”
3:00 – 3:30	Student Poster Session (Chairs: Dr. Mingjiang Tao and Dr. Julian Tao)
3:30 – 4:45	Moderator: Dr. Chung Wu, Dr. Yingwu Fang <ol style="list-style-type: none"> 1. Dr. Ming Wang, Professor, Northeastern University. “Network-Wide Assessment of Roads – An Introduction to VOTERS Sensing Systems.” 2. Dr. Feng Ma, Chang An University, “Performance and Modification Mechanism of Natural Asphalt Modified Asphalt.” 3. Dr. Yinghao Miao, Beijing University of Technology, China. “3D Characterization of Asphalt Pavement Macrotecture for Skid Resistance Evaluation.” 4. Dr. Ming Xiao, Penn State University, “Shake Table Testing and Numerical Analyses of Seismic Responses of Mechanically Stabilized Earth (MSE)

	Wall with Tire Derived Aggregates (TDA) Backfill.”
4:45 – 6:00	<p>Workshop and future events discussion. Moderator: Dr. Linbing Wang, Dr. Kelvin Wang</p> <ol style="list-style-type: none"> 1. Dr. Jingyun Chen, Institute of Road Engineering, School of Transportation & Logistics, Dalian University of Technology, “2015 International Conference of Pavement Technology.” 2. Dr. Xiong Zhang, University of Alaska, Fairbanks, “2014 GeoShanghai International Conference.”

6:00 Workshop Adjoins

4th IACIP Annual Banquet

6:30PM, Tony Cheng’s Seafood Restaurant, (中国城海鲜大酒楼), 619 H St. NW, Washington, DC.

List of Student Posters

1. **“Innovative Thermochromic Asphalt Binder for Pavement Thermal Management: Characterization and Computational Simulation”**
Student: Jianying Hu; Advisor: Xiong (Bill) Yu, Case Western Reserve University
2. **“Establishing an Installation Procedure for Buried Steel-Reinforced HDPE Plastic Pipes – A Field Test”**
Student: Deep Kumar Khatri; Advisor: Jie Han, University of Kansas
3. **“Fatigue damage calculation for wind turbine support structure”**
Student: Jiale Li; Advisor: Xiong (Bill) Yu, Case Western Reserve University
4. **“Simulation of Asphalt Pavement Compaction Monitoring Using Ground Penetrating Radar”**
Student: Pengcheng Shangguan; Advisor: Imad L. Al-Qadi, University of Illinois at Urbana Champaign
5. **“Numerical Simulation on Void Redistribution in Layered Soil”**
Student: Quan Gao; Advisor: Xiong (Bill) Yu, Case Western Reserve University
6. **“Effects of Freeze and Thaw Cycles on Concrete Durability”**
Student: Yida Fang; Advisor: Xianming Shi, Montana State University – Bozeman
7. **“DEM Analysis of the Soil Plug Mechanism in Large Diameter Pipe Piles”**
Student: Yuan Guo; Advisor: Xiong (Bill Yu), Case Western Reserve University
8. **“Quantifying the Benefit of Triaxial Geogrid in Stabilizing Granular Bases over Soft Subgrade under Cyclic Loading at Different Intensities”**
Student: Xiaohui Sun; Advisor: Jie Han, University of Kansas
9. **“Multiscale Modeling of Tension Failure for Hydrated Cement Paste: From atomic scale to continuum scale”**
Student: Wenjuan Sun; Advisor: Linbing Wang, Virginia Tech
10. **“Characterization of Drainage Layer Mixes for the Mechanistic Empirical Pavement Design Guide (MEPDG)”**
Student: Yinning Zhang; Advisor: Linbing Wang, Virginia Tech

4th IACIP Annual Workshop Organizing Committee

Dr. Ming Xiao	The Pennsylvania State University (Chair of organizing committee)
Dr. Jie Han	Vice-President of IACIP, The University of Kansas (Chair of annual activities committee).
Dr. Chung Wu	Vice-President of IACIP, Virginia Department of Transportation (local liaison co-chair)
Dr. Yingwu Fang	Vice-President of IACIP, Virginia Department of Transportation (local liaison co-chair)
Dr. Mingjiang Tao	Worcester Polytechnic Institute (student poster competition co-chair)
Dr. Junliang Tao	The University of Akron (student poster competition co-chair)
Dr. Xiong (Bill) Yu	Case Western Reserve University (secretary of finance)
Dr. Shihui Shen	The Pennsylvania State University (secretary of finance)

Executive Committee

Dr. Linbing Wang	President of IACIP, Professor of Civil Engineering, Virginia Tech
Dr. Jie Han	Vice-President of IACIP, The University of Kansas (Chair of annual activities committee).
Dr. Chung Wu	Vice-President of IACIP, Virginia Department of Transportation (local liaison co-chair)
Dr. Yingwu Fang	Vice-President of IACIP, Virginia Department of Transportation (local liaison co-chair)
Dr. Zhongjie Zhang	Past President of IACIP, Research Administrator of Louisiana Transportation Research Center, USA.
Dr. Zhanmin Zhang	Associate Professor and Fellow of the Clyde E. Lee Endowed Professorship in Transportation Engineering
Dr. Guoming Lin	WPC Inc-Terrocon Company
Dr. Kelvin Wang	Professor and Gilbert, Cooper, W&W Steel Chair of Civil Engineering, Oklahoma State University
Dr. Baoshan Huang	Professor, University of Tennessee
Dr. Shin Che Huang	Western Research Institute
Dr. Xiong (Bill) Yu	Associate Professor, Case Western Reserve University (secretary of finance)
Dr. Mingjiang Tao	Associate Professor, Worcester Polytechnic Institute (student poster competition co-chair)
Dr. Shihui Shen	Associate Professor, The Pennsylvania State University (secretary of finance)
Dr. Ming Xiao	Associate Professor, The Pennsylvania State University (Chair of organizing committee)
Dr. Xiong Zhang	Associate Professor, University of Alaska, Fairbanks

Students Helpers

- Ben Adams, Penn State University
- Ye Sun, Case Western Reserve University
- Guangxi Wu, Case Western Reserve University