



# IACIP NEWSLETTER ISSUE 3

Website: <http://www.iacip.org/>  
Email: [admin@iacip.org](mailto:admin@iacip.org)

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## 2017 IACIP Board and Committees Members

### 2017 IACIP Board

President:	Dr. Chung Wu, Virginia Department of Transportation
Vice President:	Prof. Xiong "Bill" Yu, Case Western Reserve University
Immediate President:	Prof. Jie Han, the University of Kansas
Treasurer:	Prof. Shihui Shen, Pennsylvania State University
Secretary:	Prof. Mingjiang Tao, Worcester Polytechnic Institute
1st Past President:	Dr. Zhongjie "Doc" Zhang, Louisianan Transportation Research Center
2nd Past President:	Prof. Linbing Wang, Virginia Tech
3rd Past President:	Dr. Yingwu Fang, Virginia Department of Transportation
Member:	Prof. Lu Gao, the University of Houston
Member:	Prof. Baoshan Huang, the University of Tennessee
Member:	Prof. Xianming Shi, Washington State University
Member:	Prof. Hao Wang, Rutgers, The State University of New Jersey
Member:	Prof. Kelvin Wang, Oklahoma State University
Member:	Prof. Zhanping You, Michigan Technological University
Member:	Prof. Zhanmin Zhang, the University of Texas at Austin
Member:	Prof. Xiong Zhang, the University of Cincinnati

### Founding Committee

Chair:	Dr. Zhongjie "DoC" Zhang, Louisianan Transportation Research Center (LTRC)
Member:	Dr. Yingwu Fang, Virginia Department of Transportation
Member:	Prof. Jie Han, the University of Kansas
Member:	Prof. Baoshan Huang, the University of Tennessee
Member:	Prof. Kelvin Wang, Oklahoma State University
Member:	Prof. Linbing Wang, Virginia Tech
Member:	Dr. Chung Wu, Virginia Department of Transportation
Member:	Prof. Zhanmin Zhang, the University of Texas at Austin

### Bylaws Committee

Chair:	Prof. Zhanmin Zhang, the University of Texas at Austin
Member:	Prof. Shihui Shen, Pennsylvania State University
Member:	Prof. Mingjiang Tao, Worcester Polytechnic Institute

### Nomination Committee

Chair:	Dr. Yingwu Fang, Virginia Department of Transportation.
Member:	Prof. Xiong "Bill" Yu, Case Western Reserve University.
Member:	Prof. Xianming Shi, Washington State University

## 2017 IACIP Board and Committees Members

### Strategic Planning Committee

Chair:	Prof. Xiong Zhang, Missouri University of Science and Technology
Member:	Dr. Yingwu Fang, Virginia Department of Transportation
Member:	Prof. Junliang Tao, the University of Akron
Member:	Prof. Linbing Wang, Virginia Polytechnic Institute
Member:	Dr. Zhongjie “Doc” Zhang, Louisianan Transportation Research Center

### Annual Activities Committee

Chair:	Prof. Hao Wang, Rutgers, The State University of New Jersey
Member:	Dr. Qiang Li, CSRA
Member:	Prof. Qing Lu, University of South Florida
Member:	Prof. Xinbao Yu, the University of Texas at Arlington

### Public Relation Committee

Chair:	Prof. Zhanping You, Michigan Technological University
Member:	Prof. Xiaojun Li, California State University, Fresno – Newsletter Editor
Member:	Prof. Juanyu “Jenny” Liu, University of Alaska Fairbanks – Webinars
Member:	Dr. Weiguang Zhang, University of Florida – Webinars
Member:	Ms. Fangyuan (Iris) Gong, Michigan Technological University – We-Chat
Member:	Mr. Siyu (Jack) Chen, Michigan Technological University – We-Chat

### Fundraising Committee

Chair:	Prof. Xianming Shi, Washington State University
Member:	Dr. Yudong Dang, Yunnan Institute of Building Research
Member:	Dr. Yingwu Fang, Virginia Department of Transportation
Member:	Dr. Pengkun Hou, Jinan University, China
Member:	Prof. Juanyu “Jenny” Liu, University of Alaska Fairbanks
Member:	Prof. Shihui Shen, Pennsylvania State University
Member:	Dr. Shenghua (Edward) Wu, Illinois Center for Transportation

### Membership Committee

Chair:	Prof. Lu Gao, the University of Houston
Member:	Dr. Xueyan Liu, Delft University of Technology, The Netherlands
Member:	Prof. Pan Lu, North Dakota State University
Member:	Mr. Zhe Han, the University of Texas at Austin
Member:	Dr. Jian Zou, University of Florida

## Awards

### 2017 Martin S. Kapp Foundation Engineering Award



ASCE has honored **Jie Han**, Ph.D., P.E., F.ASCE, with the 2017 Martin S. Kapp Foundation Engineering Award for his extraordinary contributions to design of foundations and dynamic leadership in geotechnical engineering. Han is a highly innovative and productive researcher, as well as a dynamic leader in the geotechnical engineering community. Most of his design methods and research findings have been successfully adopted in standard geotechnical practice to provide safer or more economical solutions for the issues facing our infrastructure.

The Martin S. Kapp Foundation Engineering Award recognizes contributions to design or construction of foundations, earthworks, retaining structures, or underground construction. Emphasis is placed on constructed works in which serious difficulties were overcome or substantial economies were achieved. (ASCE)

Dr. Han is past president of IACIP and is the first and only Chinese receiving this award since the establishment of this award for more than 40 years.



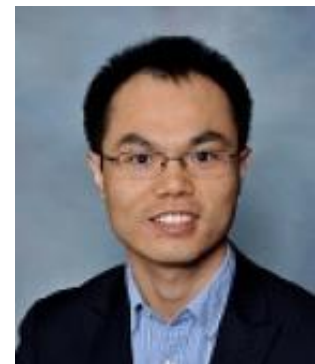
### NSF CAREER Award

**Dr. Junliang (Julian) Tao**, assistant professor in the Department of Civil Engineering, the University of Akron has won a National Science Foundation Faculty Early Career Development Award (CAREER) from its Geotechnical Engineering and Materials Program.

Dr. Tao's work will promote the scientific understanding of the highly efficient burrowing mechanisms of animals in the natural world. Burrowing organisms can inhabit a wide range of subsurface soil types, and adopt a variety of burrowing strategies facilitated by rhythmically changing their body shape. His findings will guide the design of next-generation,

high-efficiency underground construction technologies and versatile small-scale underground robots. The educational aspect of Tao's CAREER award will focus on generating enthusiasm among K-12 students and the public about STEM education as it relates to bio-inspired approaches.

According to the National Science Foundation, the CAREER Program is among its "most prestigious awards to help a junior faculty member develop activities that can effectively integrate research and education within the context of his/her organization."



### IACIP Member Invited Presentations



- Dr. Zhanping You, Ph.D., P.E., professor at Michigan Technological University was invited to present “ Design and Practice of Asphalt Overlay on Old Cement Concrete Pavement in the United States” at The Conference of Asphalt Overlay on Old Cement Concrete Pavement in South-Moisture -Hot Area, organized by Fuzhou University and Fuzhou Highway Bureau in January 4-5, 2017.
- Dr. Zhanping You gave an invited presentation at Columbia University on “Micromechanics-Based Models for Asphalt Pavement Materials” on Jan. 31, 2017.

### IACIP Upcoming Activities

#### IACIP Webinar

**Title:** Global Warming and Its Impact on Transportation

**Presenter:** Linbing Wang, Ph.D., P.E.,  
Professor, Virginia Polytechnic Institute  
Adjunct Professor, National Center for Materials  
Service Safety (NCMS) of China

**Schedule:** US eastern time: April 7th, 2017, 8:30 - 9:30 PM  
Beijing Time: April 8th, 8:30 - 9:30 AM



**Abstract:** This seminar focuses on the phenomenon of global warming, reviewing its evidences, causes, and consequences. The purpose of the seminar is to foster discussions on the implications of global warming to the change of transportation technology, and the design of new transportation infrastructure or the adaptation of existing transportation infrastructure to accommodate climate changes and technology changes.

#### **Bio of Presenter:**

Dr. Linbing Wang is a professor in civil engineering materials and pavement at Virginia Tech, and an adjunct professor at the National Center for Materials Service Safety (NCMS) of China. He is the founding chair of the Mechanics of Pavement Committee, and the Vice Chair of the Nanomechanics and Micromechanics committee of the Engineering Mechanics Institute (EMI) of ASCE.

Detailed bio of Dr. Wang can be found at: <http://www.cee.vt.edu/profile/?pid=wangl>

For future webinar series, please contact Drs. Zhanping You, Jenny Liu, and Weiguang Zhang.

## IACIP Upcoming Activities

### The 2nd International Conference on Transportation Infrastructure and Materials (ICTIM)



The second International Conference on Transportation Infrastructure and Materials (ICTIM) conference will be held in Qingdao, China from June 9 to 12, 2017, which is jointly organized by IACIP and the Qingdao University of Technology (QUT). This ICTIM will cover a broad range of topics related to transportation infrastructure and materials. More than 160 full papers were received with the authors from 15 countries and regions. You are invited to attend this conference and present and discuss recent developments and advances in the fields of transportation infrastructure and materials.

Registration fee for the conference is CNY ¥1600 (before April 10) or CNY ¥2200 (after April 10) for regular attendees and CNY ¥1000 (before April 10) or CNY ¥1400 (after April 10) for students. Registration fee includes conference materials, welcome reception, banquet, lunches, and coffee breaks. The conference and reception will be held at the Qingdao Fuxin Hotel. The Organizing Committee has reserved a block of rooms for a negotiated rate of CNY ¥350 per night.

For more information, please visit: <http://www.ictim2017.com/>

## IACIP Completed Activities

### IACIP We-Chat Webinar

Using new social media for academic activities, a We-Chat Webinar was organized by IACIP members and received dynamic responses. This We-Chat Webinar focused on the asphalt pavement construction technologies. Many members enrolled in the IACIP We-Chat Group participated the discussion actively. Discussions include raw materials and

mixture design, construction technologies and equipment, in-place tests and measurements, and quality control and quality assurance.

十几位华人专业人士搞了一场针对沥青路面施工控制的头脑风暴，结果.....

Original 2017-02-15 IACIP 筑路机械与施工机械化

2017年2月12日，国际华人基础设施建设协会（International Association of Chinese Infrastructure Professionals，简称IACIP）的成员进行了一场针对沥青路面施工控制的主题讨论。



## IACIP Completed Activities

### The 7th IACIP Annual Workshop at Washington D.C.

The 7th IACIP Annual Workshop was successfully completed on Jan. 8th 2017 in Washington D.C. As keynote speakers, **Dr. Zhanmin Zhang** from The University of Texas at Austin and **Dr. Jason Weiss** from Oregon State University gave presentations on Transportation Asset Management and Concrete Durability, respectively. The 7th IACIP Annual Workshop focused on the sustainability and resilience of transportation infrastructure.

