



IACIP (国际华人基础设施工作者协会)

NEWSLETTER ISSUE 11

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Inside this issue

Preface	Page 2
IACIP Annual Events	Page 3
Awards and News	Page 5
Coming Events	Page 16
IACIP Board and Committee Members	Page 17

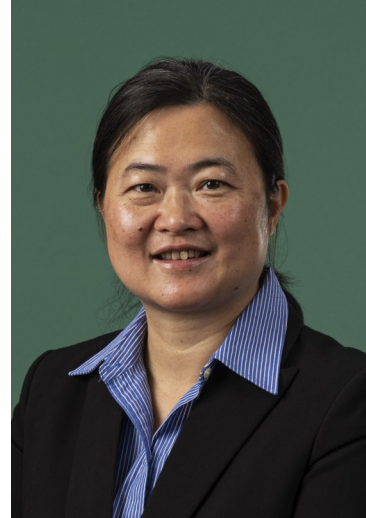
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Preface

Dear IACIP members and friends,

It is my great honor to serve the role of IACIP President for the term of 2023. I am grateful for your trust and support, especially the vision, hard work, and dedication of our former presidents, who have led IACIP to its current leadership role in the infrastructure community.

At the beginning of this year, we successfully held the 13th annual workshop on “Adaptive Infrastructure under Climate Change” and launched IACIP Wechat platform account at the beginning of this year. We also organized several online discussion forums and webinars to infrastructure professionals throughout the world. We are in the process of planning for the 6th International Conference on Transportation Infrastructure and Material (TIM) jointly with Beijing University of Civil Engineering and Architecture and China Highway and Transportation Society to be held in July. With continuous contributions from all our committee members and friends, we expect more activities and initiatives throughout this entire year.



As President of IACIP, I will closely work with our Board of Directors, committee chairs, members, and friends to leverage opportunities to educate, innovate, and advance our profession of infrastructure. I encourage you to join IACIP at our website (<https://www.iacip.net/membership>), follow our Wechat platform, and get involved in more IACIP activities. I believe we will continue to make positive impacts and increase the visibility of IACIP in the global infrastructure community. Your hard work and commitment, active involvement, and continuous support to IACIP will be greatly appreciated.

Sincerely,

Jenny Liu, Ph.D., P.E., James A. Heidman Professor

President, International Association of Chinese Infrastructure Professionals

IACIP Annual Events

13th IACIP Annual Workshop

The 13th IACIP Annual Meeting was a resounding success, with the theme of "Adaptive Infrastructure under Climate Change". The event took place virtually via Zoom webinar on January 14 and 15, 2023. The workshop was organized by a 17-member organizing committee led by co-Chairs **Drs. Haifang Wen** and **Shenghua Wu**.

The meeting featured two keynote speakers, **Dr. Pizhong Qiao** from Shanghai Jiao-tong University and **Dr. Randy West** from National Center for Asphalt Technology, along with 12 speakers from various countries. More than 200 participants from all around the world attended the annual meeting, making it a truly global event.

The 13th IACIP Annual Workshop

Fracture and Durability of Shotcrete-concrete Interface Bonds

Pizhong Qiao
(in acknowledgements of Dr. Ayumi Manawadu and Dr. Haifang Wen at **WSU** as well as **WSDOT** and **TriDurLE**)
January 15, 2023

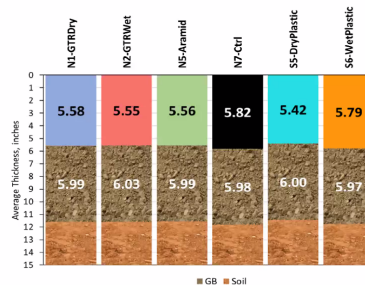
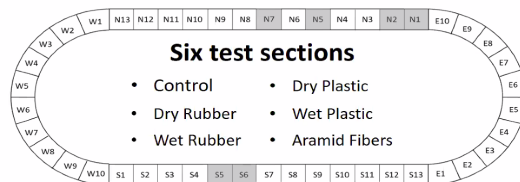
Participants in Zoom gallery view:
Haifang Wen, Shenghua Wu, Pizhong Qiao, Jenny Liu, Hao Wang, Zhanping You.

Recording... ||

Participants: Shenghua Wu, Haifang Wen, Randy West, Chen Chen, Shisong Ren.

Additive Group test sections - NCAT

- Constructed in Sep 2021
- Open to traffic in Nov 2021



Targeted distress is fatigue cracking

IACIP Annual Events

13th IACIP Annual Workshop (cont'd)

The Annual Meeting showcased 45 student posters, with 12 students receiving the Best Poster Awards. **Drs. Jiannan Chen** and **Fangyuan Gong** announced the student poster awards at the workshop.



Dongzhao Jin, Michigan Technological University




Hanli Wu, Missouri University of Science and Technology
Jiwen Zhang, Harbin Institute of Technology
Jiaqiu Xu, The Hong Kong Polytechnic University



Rui Zhang, Beijing University of Technology
Shuai Yu, Pennsylvania State University
Fucheng Guo, The Hong Kong Polytechnic University
Junyu Qian, Rutgers
Hanyu Zhang, University of Nottingham
Chongxin Zhu, Chang'an University
Xuejiao Cheng, Hebei University of Technology
Xiao Shen-qing, Harbin Institute of Technology

IACIP Past President, **Dr. Zhanping You** announced that seven students received Outstanding Graduate Student Awards at the workshop.

Records of annual meeting can be found at: <https://www.iacip.net/annual-meeting>.



2023 Outstanding Graduate Student Award Winners

	Name	University
First prize	Shisong Ren	Delft University of Technology
Second prize	Lingyi Yao	The Hong Kong Polytechnic University
Third Prize	Xiao Chen	Rutgers, The State University of New Jersey
	Shuai Yu	Pennsylvania State University
	Miaomiao Zhang	University of Tennessee, Knoxville
	Danning Li	The Hong Kong Polytechnic University
MS Student winners	Xuejiao Cheng	Hebei University of Technology

Awards and News

IACIP Webinar Series



Zijia Xiong, a PhD student in Prof. Lei Zhang's group at Southeast University, was invited to give an online webinar speech on "Material Design and Meso-Structure Simulation of Semi-Flexible Pavement" on April 16th, 2023. This webinar focused on the semi-flexible pavement (SFP) and demonstrated its temperature performance, introduced a material design index, and utilized a mesostructure simulation to assess its intricate failure paths and adhesive properties.

Awards and News

New Director of MSU's Western Transportation Institute



The Western Transportation Institute (WTI) at Montana State University (MSU) has named IACIP Founding Committee Member, **Dr. Kelvin C.P. Wang**, Regents Professor and Dawson Chair of Civil Engineering at the Oklahoma State University, as its new director beginning Aug. 1. He will also serve as a professor in the Department of Civil Engineering in MSU's Norm Asbjornson College of Engineering.

Dr. Wang is a distinguished member of the American Society of Civil Engineers (ASCE). He also received the prestigious Francis C. Turner Award from ASCE.

WTI is one of the nation's largest transportation institutes focused on rural transportation issues, and it has twice been designated as a National University Transportation Center by the U.S. Department of Transportation. WTI has conducted research at local, state and federal levels in 35 states and 22 countries.

Awards and News

New President of APSE



The Board of Governors of Academy of Pavement Science and Engineering (APSE) announced on 4 May 2023 that IACIP Board Member, **Dr. Zhen Leng**, Professor from the Department of Civil and Environmental Engineering at The Hong Kong Polytechnic University, had been elected as the President of the 2023-2025 Executive Board.

APSE is a global community of academics working together to educate, innovate, and advance the profession of pavement science and engineering. To learn more about APSE, please visit: <http://www.pavements.academy/>.

Awards and News

2023 Testing Innovation Fellowship

Ahmad Gholizadeh, a Ph.D. student from the Department of Civil, Architectural, and Environmental Engineering at Missouri University of Science and Technology (S&T), recently has been awarded 2023 Testing Innovation Fellowship supported by IGS North America, Geosynthetic Institute, and ASTM International Committee D35 on Geosynthetics. The Fellowship Board received multiple applications this year and has opted to invite only two researchers to join the fellowship program. Ahmad Gholizadeh was one of the two who were invited to become a Testing Innovation Fellow with his topic “A Multi-Camera Based Photogrammetric Method to Improve ASTM D4595 Standard”. Congratulations!

Ahmad Gholizadeh’s advisor is IACIP Board Member, **Dr. Xiong Zhang**, James A. Heidman Professor at Missouri S&T.



Awards and News

ASCE Bituminous Materials Committee Meeting

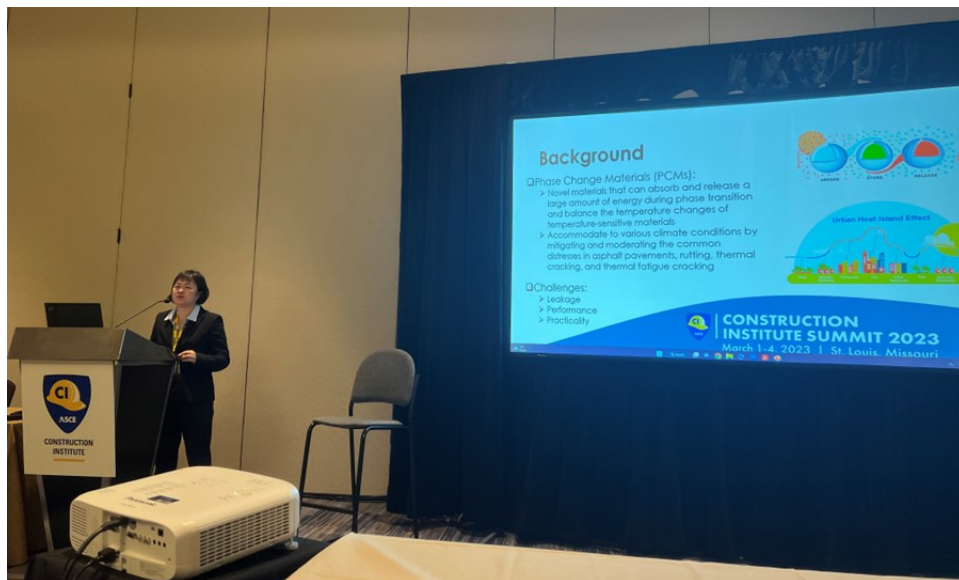
IACIP president, **Dr. Jenny Liu** as the Committee Chair, organized the ASCE Bituminous Materials Committee meeting in conjunction with the TRB annual meeting on Jan 8th. The event was well attended by many IACIP board members and members.



Awards and News

ASCE Construction Institute Summit

ASCE Construction Institute (CI) Summit 2023 was held on March 1-4, in St. Louis, MO. IACIP president, **Dr. Jenny Liu**, IACIP past president, **Dr. Hao Wang**, IACIP past president, **Dr. Baoshan Huang**, and **Dr. Dingxin Cheng** gave presentations at two technical sessions entitled “Materials Innovation for Sustainable and Resilient Asphalt Pavements” and “Current Practices in Asphalt Pavement Preservation and Construction”. These two sessions were also chaired by **Dr. Jenny Liu** and **Dr. Baoshan Huang** on behalf of ASCE Bituminous Committee.



Awards and News

ASCE Geo-Institute Geo-Congress

ASCE Geo-Institute (GI) Geo-Congress was held in Los Angeles, California, from March 26–29, 2023. Geo-Congress 2023 offers a comprehensive program, including presentations on challenging projects, research, invited speakers on selected topics, technical sessions, panel sessions, short courses, workshops, and special lectures, providing an opportunity for engineers and academia to address geotechnical issues and celebrate collective geo-accomplishments. <https://www.geocongress.org/>.

IACIP Board Member, **Dr. Xiong Zhang**, James A. Heidman Professor from Missouri S&T, together with **Dr. Laureano Hoyos** from University of Texas at Arlington and **Dr. Sanchez Marcelo** from Texas A&M University, taught a short course entitled “Simple methods to rapidly characterize and model unsaturated soil behavior” at the conference. Dr. Zhang also chaired a technical session on “Soil Properties” with **Dr. Cassandra Rutherford** from Iowa State University.



Awards and News

Invited Presentations at Conferences

IACIP Board Member, **Dr. Xiong Zhang** was invited to deliver a themed lecture entitled “Calibration of BBM Parameters using the Modified State Surface Approach.” on the 8th International Conference on Unsaturated Soils “Towards Unsaturated Soils Engineering” (UNSAT2023, <https://www.unsat2023.org/>) which was held in Milos, Greece, from May 3-5, 2023. The UNSAT2023, organized under the auspices of the ISSMGE Technical Committee TC106, is the most importance conference series in the field of unsaturated soils.



Dr. Zhang also chaired a session and gave a presentation titled “Experimental Investigation on the Effect of Fines Content on the Drainage Performance of Wicking and Non-wicking Geotextiles” at Geosynthetics 2023 Conference, which was held in Kansas City, United States, from February 5-8, 2023. The Geosynthetics Conference serves as a platform for geotechnical professionals to gather, exchange knowledge, and stay updated on the latest research, materials, applications, and case studies.

Awards and News

The 5th National Workshop on Mechanics and Numerical Simulation of Pavement Materials

From April 21st to 23rd, 2023, the 5th National Workshop on Mechanics and Numerical Simulation of Pavement Materials was held in Southeast University. More than 110 presentations were made during the 11 technical sessions. More than 400 experts and scholars from universities, research institutes, design and construction enterprises at home and abroad participated in the workshop.

Drs. Xiaoming Huang (Southeast University), **Shifa Xu** (Beijing University of Architecture and Technology), **Xudong Wang** (Research Institute of Highway Ministry of Transport), and **Rongji Cao** (JSTI Group) were invited to give keynote speeches for the conference. The current workshop is a continuation of previous successful events held by South China University of Technology (2018), Harbin Institute of Technology (2019), Chang'an University (2020), and Chongqing Jiaotong University (2022). These workshop series promoted the progress of pavement material mechanics analysis and simulation technology as well as innovative developments in road engineering in China. The next workshop will be hosted by Changsha University of Science and Technology. The event was well attended by many IACIP board members and members.

第五届全国路面材料力学与数值仿真研讨会

2023年4月21-23日 南京



Awards and News

AM3P 2022

The Advances in Materials and Pavement Performance Prediction (AM3P) conference, co-organized by The Hong Kong Polytechnic University, Changsha University of Science and Technology, and Chang'an University, concluded successfully on May 24th, 2023.

The AM3P 2022 conference drew a remarkable participation of over 230 attendees from academia, industry, and government representing 20 countries/regions. The three-day event featured a total of 98 oral presentations and 39 poster presentations. **Profs. Jianlong Zheng** from Changsha University of Science and Technology, **Tien Fang Fwa** from Chang'an University, and IACIP Board Member, **Zhen Leng** from The Hong Kong Polytechnic University, served as co-Chairs of the AM3P 2022 Organizing Committee.

Esteemed keynote speakers included **Profs. Jianlong Zheng** from Changsha University of Science and Technology, **Amit Bhasin** from the University of Texas at Austin, IACIP Founding Committee Member and Past President, **Linbing Wang** from the University of Georgia, and **Gordon Airey** from the University of Nottingham.

The next AM3P conference will be hosted by Vienna University of Technology in 2025.



Awards and News

CEW 2023

The 7th Chinese-European Workshop on Functional Pavement (CEW 2023), co-organized by the University of Nottingham, Aston University, and Southeast University, has completed its agenda in Birmingham, UK, after two days (2-4 July 2023) of lively exchanges and discussions.

The CEW 2023 includes three keynote speeches (delivered by **Prof. Markus Oeser**, **Linbing Wang**, and **Andrew Dawson**), eight in-person sessions, and two online sessions. The conference topics consist of the emerging technologies on the next-generation of functional pavements, the digital and information technology-oriented pavement design, construction, and maintenance.

The organizing committee would like to express their deepest gratitude to all the participants for their support. The Harbin Institute of Technology (HIT) will organize the next CEW conference and we look forward to meeting you all at HIT!



Coming Events

TIM 2023

The IACIP, China Highway and Transportation Society, and Beijing University of Civil Engineering and Architecture will jointly hold the 6th International Conference on Transportation Infrastructure and Materials (TIM 2023) and the 2nd Workshop on New Technology of Road Engineering Material Recycling in Beijing from July 18 to 20, 2023.

The purpose of this conference is to fully implement the concept of green development, promote the construction and operation of low-carbon road infrastructure, promote low-carbon and comprehensive utilization of solid waste, and strengthen collaborative innovation and integration cooperation of "production, learning, research, and application".

Previous TIM conferences have been successfully organized by Chang'An University, Qingdao University of Technology, Hebei University of Technology, Shandong University and Shandong Jiaotong University, and Changsha University of Science and Technology. The theme of TIM 2023 is "New Developments in Sustainable and Resilient Transportation".

The Conference International Advisory Board and the Organization Committee are inviting delegates to sign up and participate in TIM 2023. Please follow the " Home of Highway " WeChat public account, and click the menu "Academic Conference - Conference Registration" to enter the conference registration page. To learn more about the conference, please visit: <https://www.ictim.cn>.



IACIP Committee Structures

IACIP Board Members

President: Prof. Jenny Liu, Missouri University of Science and Technology

Vice President: Prof. Lu Gao, University of Houston

Secretary: Prof. Mingjiang Tao, Worcester Polytechnic Institute

Treasurer: Prof. Xiong Zhang, Missouri University of Science and Technology

Immediate Past President: Prof. Hao Wang, Rutgers, The State University of New Jersey

Prof. Zhanping You, Michigan Technological University

Prof. Baoshan Huang, University of Tennessee

Prof. Zhen Leng, The Hong Kong Polytechnic University

Prof. Haifang Wen, Washington State University

Prof. Shenghua Wu, University of South Alabama

Prof. Shihui, Shen, Pennsylvania State University at Altoona

IACIP Founding Committee Members

Dr. Yingwu Fang, Virginia Department of Transportation

Prof. Baoshan Huang, University of Tennessee

Prof. Jie Han, The University of Kansas

Prof. Kelvin Wang, Oklahoma State University

Prof. Linbing Wang, Virginia Tech

Dr. Chung Wu, Virginia Department of Transportation

Prof. Zhanmin Zhang, The University of Texas at Austin

Dr. Zhongjie “DoC” Zhang, Louisianan Transportation Research Center (LTRC)

IACIP Committee Structures

Bylaws Committee

Chair: Prof. Zhanmin Zhang, University of Texas at Austin

Nomination Committee

Chair: Prof. Zhanping You, Michigan Technological University

Strategic Planning Committee

Chair: Prof. Shihui Shen, Pennsylvania State University at Altoona

Annual Activities Committee

Chair: Prof. Xianming Shi, Washington State University

Vice Chair: Prof. Shenghua Wu, University of South Alabama

Public Relation Committee

Chair: Prof. Zhen Leng, The Hong Kong Polytechnic University

Fundraising Committee

Chair: Prof. Xueyan Liu, Delft University of Technology

Vice Chair: Dr. Pengfei Liu, RWTH Aachen

Membership Committee

Chair: Prof. Lu Gao, University of Houston

Vice Chair: Prof. Danny Xiao, University of Wisconsin - Platteville

Academic Committee

Chair: Prof. Qing Lu, University of South Florida

Vice Chair: Prof. Xijun Shi, Texas State University; Prof. Sang Luo, Southeast University

Outreach Committee

Chair: Dr. Yilong Liu, Louisiana Transportation Research Center

Young Membership Committee

Co-Chairs: Dr. Guoyang Lu, The Hong Kong Polytechnic University; Dr. Haopeng Wang, University of Nottingham

Committee of Expanding Partnerships

Co-Chairs: Prof. Kelvin Wang, Oklahoma State University; Prof. Baoshan Huang, University of Tennessee; Prof. Xiong Yu, Case Western Reserve University