



## 2023 Annual Report of ILEE

Dear ILEE Community,

We are pleased to present the newest edition of the ILEE Annual Report. This report highlights the significant research efforts and international collaborations that have shaped our lab's progress. Within, you will find a range of updates, insights, and achievements from our global research team.

Your contributions and dedication to our mission are greatly appreciated. Looking ahead, we are excited for the future of discoveries and impactful research.

Sincerely,

Lab Director(s)

**Prof. Ying Zhou**

**Prof. Billie F. Spencer Jr.**

Chair of Scientific Committee

**Prof. Xilin LU**

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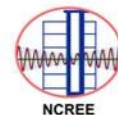
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## 1) Appointment of new leadership

Prof. Ying Zhou was officially designated as the new Director of the ILEE Center by Tongji University, marking the beginning of a new chapter for the institution on January 8, 2023. And appointments of Professors Wei Wang, Yan Xu, Yiqiu Lu, and Haitao Yu as vice directors, Zeeshan Qaiser as the executive secretary, and Hui Yang, as the secretary, were officially announced by the College of Civil Engineering, Tongji University on March 15, 2023.

### Directors



Ying Zhou



Billie F. Spencer Jr.

### Vice Directors



Wei Wang



Yan Xu



Yiqiu Lu



Haitao Yu

### Secretary



Zeeshan Qaiser



Hui Yang

### ILEE organizational structure

The board of directors, led by Prof. Ying Zhou and Prof. Bill Spencer, currently consists of ten members from ILEE and its seven renowned earthquake engineering centers.



Xianglin Gu  
Director  
(2015-2022)



Stephen Mahin  
Director  
(2015-2018)



Ying Zhou  
Director  
(2023-)



Billie F. Spencer Jr.  
Director (2018-)



Tony Yang  
Executive Director  
(2015-2022)



Jianzhong Li  
Vice Director  
(2015-2022)



Ken Elwood  
(2015-2022)



Kuo-Chun Chang  
(2015-2022)



Khalid M. Mosalam



Brendon A. Bradley



Gian Michele Calvi



Andrew S Whittaker



Carlos Ventura



Chung-Che Chou



Kazuhiko Kasai



Alberto Pavese

### ILEE board of directors

The scientific committee, led by Prof. Xilin LU, consists of twenty members from the cooperative earthquake engineering centers and world-famous universities.



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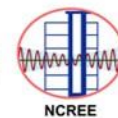
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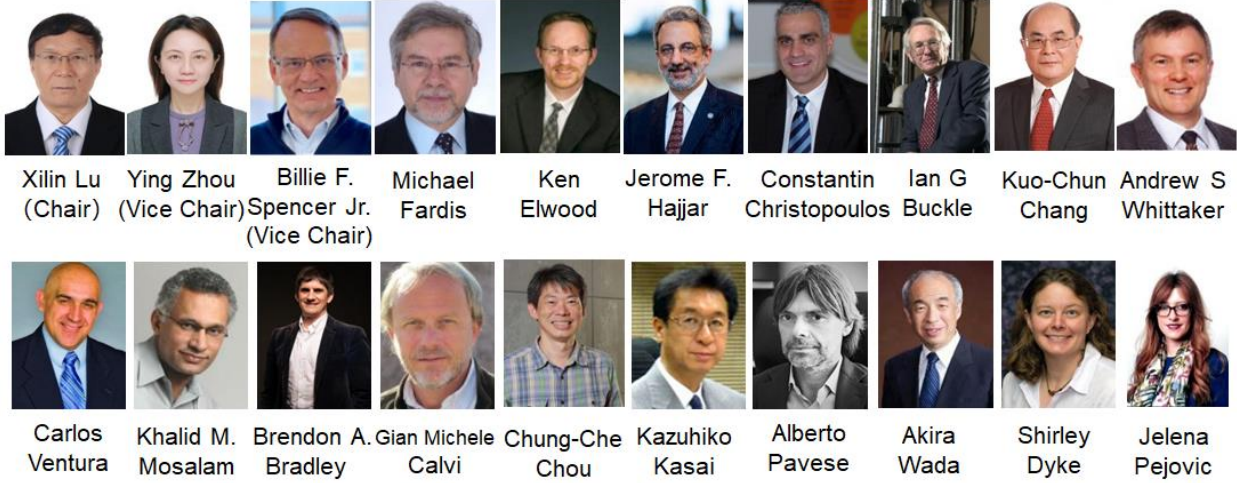


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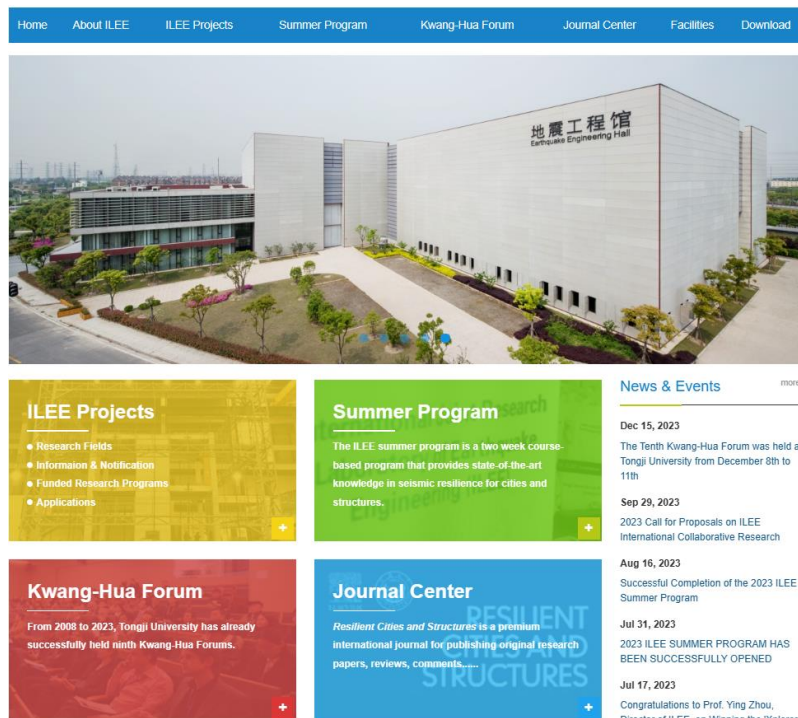




ILEE Scientific Committee

## 2) Update of ILEE website

The ILEE has updated its website to highlight its commitment to four pivotal areas: ILEE Projects, Summer Program, Kwang-Hua Forum and Journal Center. These themes represent the center's strategic priorities in advancing earthquake engineering research.



New outlook of ILEE website ([www.ilee-tj.com](http://www.ilee-tj.com))



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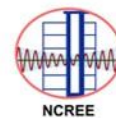
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### 3) ILEE Summer program

The 2023 ILEE Summer Program themed "Seismic Resilience for Cities and Structures" concluded successfully at Tongji University. From July 31st to August 12th, the program focused on enhancing seismic resilience, offering participants advanced courses from distinguished earthquake engineering experts.



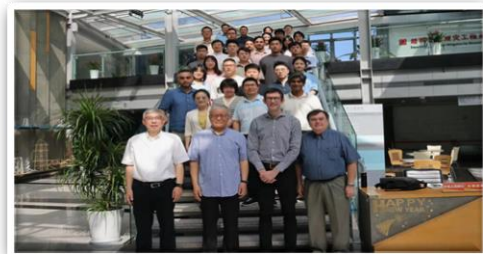
Vice President Gu Xianglin  
Delivered a Speech



Academician Lu Xilin  
Welcomed the participants



Dean Ying Zhou addressed the opening ceremony



Participants of the ILEE summer program

The ILEE Summer Program was honored to host lectures from distinguished academics, including Professors Richard Henry, Ian Buckle, Gian Paolo Cimellaro, Antonio Bobet, Qunfang Hu, Associate Professors Dimitrios Konstantinidis, and Wei Liu, showcasing a strong international presence in earthquake engineering education.



**Richard Henry**  
Associate Professor  
Department of Civil and Environmental Engineering  
The University of Auckland  
Auckland, New Zealand



**Antonio Bobet**  
Professor  
Lyles School of Civil Engineering  
Purdue University, West Lafayette  
IN, USA.



**Dimitrios Konstantinidis**  
Associate Professor  
Department of Civil and Environmental Engineering  
University of California  
Berkeley, California, USA



**Ian Buckle**  
Foundation Professor  
Department of Civil & Environmental Engineering  
University of Nevada  
Reno, USA



**Gian Paolo Cimellaro**  
Professor  
Department of Structural, Geotechnical & Building Engineering  
Polytechnic of Turin  
Torino, Italy



**Qunfang Hu**  
Professor  
College of Civil Engineering  
Tongji University  
Shanghai, China.



**Wei Liu**  
Associate Professor  
Department of Structural Engineering  
Tongji University  
Shanghai, China

#### Distinguished lectures conducted at ILEE summer program



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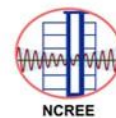
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#### 4) Kwang- Hua forum

The Tenth Kwang-Hua Forum, hosted at Tongji University from December 8th to 11th, convened over 300 global experts in earthquake engineering.



Opening ceremony of the 10th Kwang-Hua forum

The theme of this year's forum was "Innovations and Implementations in Earthquake Engineering Research." It featured 117 experts (28 international and 89 domestic) who delivered presentations on topics ranging from AI applications in earthquake engineering, intelligent disaster prevention, research on resilient seismic structures, advances in structural isolation and damping technologies, latest developments in structural health monitoring, and urban resilience assessment.



Welcome address by the President of Tongji University, Prof. Qinghua Zheng

The successful completion of the Kwang-Hua Forum provided a valuable platform for representatives worldwide to showcase, share, and learn about the latest research achievements in the field of earthquake-resistant resilient cities.



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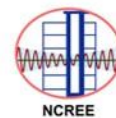
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## 5) Journal Center

In May 2023, the first issue of the Resilient Cities and Structures (RCS) journal was issued.

In August 2023, Resilient Cities and Structures (RCS) journal was indexed by Scopus database. Inclusion in Scopus shows that the academic quality of the journal has been endorsed by the international academia and publishing community.

### ● Editor-in-Chief



Prof. Ying Zhou  
Tongji University



Prof. Michel Bruneau  
University at Buffalo



Prof. Gian Paolo Cimellaro  
Polytechnic of Turin

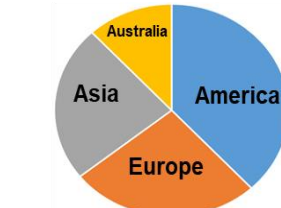
### ● Honorary Editor



Tongji University



### ● Editorial board (28/10)



Resilient cities and structures editorial board

## 6) ILEE Projects

The International Joint Research Laboratory of Earthquake Engineering (ILEE) at Tongji University, established in 2015, aims to foster international collaboration and academic exchange in earthquake engineering research. Emphasizing seismic resilience, ILEE supports collaborative projects to address fundamental and innovative research challenges in this field.

In 2023, ILEE continued to seek proposals of high-impact cooperative projects with its member organizations. The project, with a funding of 400,000 RMB for two years, encourages matching funding contributions. Principal Investigators, who must be established non-Chinese researchers in earthquake engineering from ILEE member organizations, are required to collaborate with a Co-PI from Tongji University. Priority is given to projects with matching funding and those targeting significant international outcomes.



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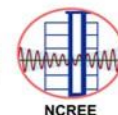
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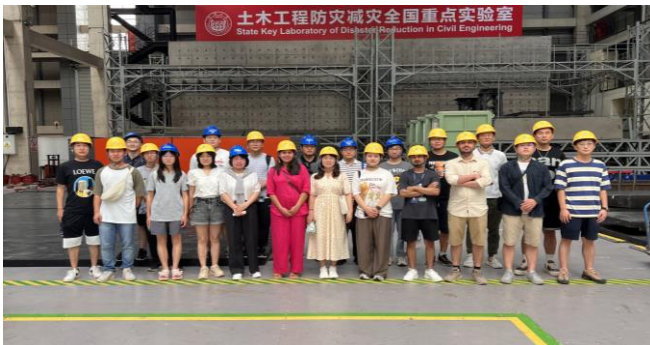
## 7) Events and updates



On June 4, 2023, Professor Bill Spencer, ILEE Foreign Director, was appointed Scientific Committee member of SLDRCE



On July 17, 2023, Professor Ying Zhou, ILEE Chinese Director, won the 2023 "Xplorer Prize" for her outstanding contributions in the field of earthquake disaster mitigation research of high-rise buildings



On August 1, 2023, ILEE summer program started and the students and academics worldwide visited the Lab in Jiading Campus, Tongji University



On September 9, 2023, Professor Zhou Ying, ILEE Director, attended the "Connecting with Science" exhibition at the 2023 Pujiang Innovation Forum, showcasing 56 notable journal covers including Elsevier



On November 15, 2023, Laura Hassink, President of Elsevier's Global Technology Publishing, visited the ILEE Journal Center



On December 11, 2023, 10<sup>th</sup> Kwang-Hua forum was conducted successfully and ILEE-QuakeCoRE workshop was also organized



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