

## RILEM China Group Meeting Report

The International Conference on Advanced High Performance Building Materials-Development and Applications, hosted by Macau University of Science and Technology, co-organized by RILEM China, the American Concrete Institute (ACI), and Jiangsu Civil Engineering and Architectural Society was successfully held in Macau from April 19th to 23rd, 2024.



The conference focused on topics such as solid waste utilization and carbon emission reduction, high-performance and special building materials. It attracted over 100 experts, including Professor Li Zongjin from Macau University of Science and Technology, academicians such as Professor Miao Changwen, Professor Liu Jiaping, Professor Xing Feng from the Chinese Academy of Engineering, Professor Xu Shilang from the Chinese Academy of Sciences, Professor Duan Wenhui from the Australian Academy of Technology and Engineering, and Professor Cheng Xin from the Russian Academy of Engineering, totaling approximately 300 scholars, to engage in academic exchanges and presentations on relevant themes.



On the morning of April 20th, Professor Li Zongjin, Chair of the Second RILEM China, delivered the opening speech, officially inaugurating the conference. Subsequently, keynote speakers presented detailed reports on key issues in the technological development and practical application of building materials and structures. Topics included smart performance inspection and system reliability assessment of RC structures, theory and technology for upcycling of construction and demolition wastes, and microstructure characterization and reconstruction of cementitious composites using AI-assisted nanoscience-based approaches. These discussions facilitated insightful exploration of the future development directions of advanced high-end building materials.





At noon on April 20th, RILEM China held a working meeting and conducted the inauguration ceremony for the third executive committee. Professor Li Zongjin briefly introduced RILEM to the attendees and reviewed the work and achievements of RILEM China over the past few years. Subsequently, Professor Li announced the list of the third executive committee elected by the council and presented the appointment letter to the new chair, Professor Gu Xianglin of Tongji University. Professor Gu then presented appointment letters to the new vice chairs. The meeting concluded with expressions of gratitude to the outgoing members of the second executive committee for their contributions and support.

**The third executive committee of RILEM China**

Honorary Chair:	Li Zongjin	Macau University of Science and Technology
Chair:	Gu Xianglin	Tongji University
Vice Chairs:	Liu Jiaping Xing Feng Cheng Xin Wang Dongmin Zhang Yunsheng	Southeast University Jinan University University of Jinan China University of Mining and Technology Lanzhou University of Technology

General Secretary:	Mu Song	Jiangsu Sobute New Matl. Co., Ltd.
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Participants express their good expectations in RILEM and RILEM China and looked forward to making their contributions for the development of materials and structures, and to sharing their own knowledge and experience with international colleagues. The conference also provided a platform for representatives from across the country to share their latest research findings and typical cases, facilitating in-depth exchanges and discussions among experts and promoting the development of

advanced high-performance building materials.