

2026 10th International Conference on RELIABILITY ENGINEERING

Hangzhou, China July 19-21, 2026

Special Session 20

Structural Risk Assessment, Resilience Improvement and Sustainability under Disasters

Goal >>>>

This special session focuses on the frontier issues of structural risk assessment, resilience improvement and sustainable development of engineering structures under disaster loads, closely combining core research directions such as structural reliability, uncertainty quantification and structural dynamics. Taking typical disaster conditions including earthquakes and strong winds as the research background, it explores the structural disaster mechanism, risk identification and quantitative evaluation methods, and devotes to the construction of structural resilience evaluation system and the research and development of resilience enhancement technologies, while meeting the safety, durability and low-carbon sustainability demands of engineering structures in the whole life cycle. It aims to gather domestic and international experts and scholars to exchange the latest theories, methods and engineering practical achievements in structural disaster prevention, risk control, resilience design and sustainable engineering application, and discuss industry challenges and future research trends, providing an academic platform for improving the disaster prevention and mitigation capacity of engineering structures and promoting the green and sustainable high-quality development of civil engineering.

Topics >>>>

Topics of interest include, but are not limited to:

- Structural Risk Assessment under Disaster Loads
- Structural Reliability and Uncertainty Quantification
- Disaster Mechanisms and Structural Dynamic Response
- Structural Resilience Assessment
- Resilience Improvement and Disaster Mitigation Technologies
- Sustainability and Life-Cycle Performance
- Multi-Hazard and Climate-Change-Related Structural Risk
- Data-Driven and Intelligent Methods
- Engineering Applications and Case Studies
- Policy, Standards, and Decision-Making
-

Chairs >>>>



Dagang Lv, Harbin Institute of Technology, China

Publication >>>>

We provide a good opportunity by presenting your updated research knowledge and also by publishing it in the conference proceedings. submitted paper will be peer reviewed by conference committees, and accepted papers will be included into conference proceedings which will be indexed by SCOPUS and Ei compendex.

Submission >>>>

1. Full paper (presentation and publication)
 - The paper must be written in English.
 - All submissions will undergo a peer-review process by the conference committee.
 - The paper should be at least FIVE pages including all figures, tables, and references.
 - The paper should be submitted as a PDF document in .pdf format.
 - submitted paper must be unpublished.
 - Accepted papers will be invited for oral presentation or poster presentation and will be included in the conference proceedings.
2. Abstract (presentation only)
 - Abstracts will be considered for presentation (oral/poster) only without publication.
 - The abstract must be written in English.
 - Abstracts should be no more than 300 words and clearly outline the title, purpose, methods, and outcomes of the research or practice being described.
 - All submissions will undergo a peer-review process by the conference committee.

* Welcome to submit the paper or abstract by Electronic submission system: <https://www.zmmeeting.org/submission/icre2026>
More details about submission, please visit at: <https://www.icre.org/sub.html>

Conference Program >>>>

July 19, 2026 | CONFERENCE + SHORT COURSE
July 20, 2026 | TECHNICAL EXCELLENCE & TRIBUTE
July 21, 2026 | INNOVATION & FUTURE OUTLOOK
July 12-25, 2026 | Young Scholar Symposium + 2026 Beihang International Summer School

Conference Venue >>>>

Conference Venue:
Hangzhou International Innovation Institute of Beihang University
Address:
No. 166, Shuanghongqiao Street, Pingyao Town, Yuhang District, Hangzhou City

Hangzhou, China

Hangzhou, a renowned Jiangnan city blending millennia of heritage and poetic scenery, boasts three world cultural heritage sites. west Lake ripples with romance; Liangzhu Ruins hold ancient wisdom; the Grand canal carries folk vibes. Timeless song Dynasty elegance meets trendy fun, and delicious local cuisine delights the taste buds. A perfect mix of classic and modern, it awaits visitors from all over the world.

Important Dates >>>>

Submission Deadline (Final Call): June 10, 2026
Notification Deadline: June 25, 2026
Camera-ready Date: June 30, 2026

Sponsors  Co-sponsors

Technical Support 

 杭州市北京航空航天大学国际创新研究院
(北京航空航天大学国际创新学院)
 哈尔滨工业大学
HARBIN INSTITUTE OF TECHNOLOGY

Contact

conference secretary: Ms. Lesley
Email: icre_conf@outlook.com
web: <http://www.icre.org>

2026 10th International Conference on RELIABILITY ENGINEERING

Hangzhou, China July 19-21, 2026

特别专题 20

灾害作用下结构风险评估、韧性提升与可持续发展

专题目标 >>>>

本专题聚焦灾害作用下工程结构的风险评估、韧性提升与可持续发展前沿问题，紧扣结构可靠性、不确定性量化、结构动力学等核心研究方向。围绕地震、强风等典型灾害工况，探究结构灾变机理、风险识别与量化评估方法，着力开展结构韧性评价体系构建、韧性增强技术研发，兼顾工程服役全生命周期的安全、耐久与低碳可持续需求。专题旨在汇聚国内外相关领域专家学者，交流结构灾害防护、风险管控、韧性设计及可持续工程应用的最新理论、方法与工程实践成果，探讨行业发展痛点与未来研究趋势，为提升工程结构防灾减灾能力、推动土木工程绿色可持续发展提供学术交流与思想碰撞平台。

专题主题 >>>>

征稿主题包括但不限于：

- 灾害荷载作用下的结构风险评估
- 结构可靠性与不确定性量化
- 灾害机理与结构动力响应
- 结构韧性评估
- 韧性提升与防灾减灾技术
- 可持续性与全生命周期性能
- 多灾害及气候变化相关的结构风险
- 数据驱动与智能方法
- 工程应用与案例研究
- 政策、标准与决策制定
-

专题主席 >>>>



吕大刚，哈尔滨工业大学，中国

会议出版 >>>>

录用文章将被收录至ICRE 2026会议论文集，由IEEE出版，并被EI Compendex 和 Scopus 检索。

投稿方式 >>>>

- 1). 上传文章到电子投稿系统: <https://www.zmeeting.org/submission/icre2026>
- 2). 或发送文章至会议邮箱: icre_conf@outlook.com

提示：

1. 全文投稿（含报告与出版）
 - 稿件须以英文撰写。
 - 所有投稿均由会议委员会进行同行评审。
 - 稿件篇幅不少于 5 页，包含所有图表及参考文献。
 - 稿件须以 PDF 格式提交。
 - 投稿稿件须为未发表的原創成果。
 - 录用稿件将受邀进行口头报告或海报展示，并收录至会议论文集。
2. 摘要投稿（仅作报告）
 - 摘要仅用于申请报告资格（口头报告 / 海报展示），不纳入出版范围。
 - 摘要须以英文撰写。
 - 摘要字数不超过 300 词，须清晰阐明所涉研究或实践的标题、研究目的、研究方法及其研究成果。
 - 所有投稿均由会议委员会进行同行评审。
 - 详细信息请见——<https://icre.org/sub.html>

会议日程 >>>>

2026年7月19日- 签到注册
2026年7月20日- 开幕式+主旨报告+作者报告
2026年7月21日- 开幕式+主旨报告+作者报告
2026年7月12-25日- 青年学者论坛 + 2026北航国际暑期学校

会议地址 >>>>

杭州市北京航空航天大学国际创新研究院（北京航空航天大学国际创新学院）
地址：杭州市余杭区瓶窑镇双红桥街166号

中国杭州

杭州，一座融千年文脉与诗画风光的江南名城，三大世界文化遗产勾勒其独特魅力。西湖碧波漾诗意，良渚遗址藏远古智慧，大运河流淌南北烟火。宋韵风雅浸润红墙古社，新潮玩法解锁别样体验，鲜醇杭帮菜抚慰味蕾。古典与现代交织，漫步街巷皆是惊喜，正静待八方游客前来探寻。

重要日期 >>>>

投稿截止日期（最后一轮征稿）：2026年6月10日
审稿通知日期：2026年6月25日
注册截止日期：2026年6月30日

Sponsors  Co-sponsors

技术支持 



杭州市北京航空航天大学国际创新研究院
(北京航空航天大学国际创新学院)

 哈尔滨工业大学
HARBIN INSTITUTE OF TECHNOLOGY

Contact

conference secretary: Ms. Lesley
Email: icre_conf@outlook.com
web: <http://www.icre.org>