

2026 10th International Conference on RELIABILITY ENGINEERING

Hangzhou, China July 19-21, 2026

Special Session 23

Integrated Support Engineering and Maintenance Optimization of Complex Systems

Goal >>>>

This special session centers on Integrated Support Engineering and Maintenance Optimization of Complex Systems, which perfectly matches the research interests including support resource planning, maintenance optimization and integrated support engineering. It targets the whole life cycle management of complex equipment, focusing on the construction of integrated support system, maintenance strategy modeling and optimization, as well as overall allocation of support resources. It mainly discusses frontier research such as integrated support theories, intelligent maintenance decision-making technology, resource planning and engineering application. It gathers scholars and engineering practitioners to exchange latest achievements and practical experience. It aims to improve the theoretical system of integrated support and maintenance optimization, enhance the reliability, maintainability and comprehensive support capability of complex systems, and build an academic platform for innovative development in reliability engineering.

Topics >>>>

Topics of interest include, but are not limited to:

- Lifecycle Integrated Support
- Equipment Maintenance Strategy Optimization
- Support Resource Planning & Allocation
- Spare Parts Inventory Optimization
- Intelligent Maintenance Decision
- System Reliability Assurance

Chairs >>>>



Naichao Wang, Beihang University, Beijing, 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 - submitted paper must be unpublished.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.zmeeting.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



Contact

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

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特别专题 23

复杂系统综合保障工程与维修优化

专题目标 >>>>

本专题围绕复杂系统综合保障工程与维修优化展开，高度契合专家保障资源规划、维修优化、综合保障工程的核心研究方向。专题面向装备全生命周期管理场景，聚焦复杂装备系统综合保障体系构建、维修策略建模优化、保障资源统筹配置等关键研究领域。重点研讨综合保障理论方法、智能维修决策技术、资源规划调度及工程应用实践等前沿内容，汇聚高校科研学者与行业工程技术人员，交流最新研究成果与应用经验。致力于完善复杂系统综合保障与维修优化理论体系，赋能装备可靠性、维修性与综合保障能力提升，为可靠性工程领域创新发展提供学术交流与成果共享平台。

专题主题 >>>>

征稿主题包括但不限于：

- 全生命周期综合保障
- 装备维修策略优化
- 保障资源规划配置
- 备件库存优化调度
- 智能维修决策技术
- 系统可靠性保障

专题主席 >>>>



王乃超，北京航空航天大学，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

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web: <http://www.icre.org>