2026年第16届通信与网络安全国际会议

ICCNS
Communication and Network Security

2026年12月19-21日
中国·哈尔滨

2026 年第 16 届通信与网络安全国际会议（ICCNS 2026）定于 2026 年 12 月 19-21 日在中国黑龙江省哈尔滨市举行。本次会议由黑龙江大学、东北电力大学联合主办，黑龙江大学电子工程学院承办，东北电力大学、广西大学信息安全产业学院、北京工业大学协办。 会议主要围绕”通信与网络安全”研究领域展开讨论。此次希望通过这个大会，让大家分享研究成果，应用，及在实践中获取的心得。

www.iccns.org

◆ 特邀报告嘉宾 ◆

Mohd Nazri Ismail
Mohd Nazri Ismail, 马来西亚国防大学

周凯
周凯，联通集团联通数字科技有限公司本部

◆ 会议出版 ◆

所有录用文章在完成注册后被收录出版至 ICCNS 2026 会议论文集，并被 EI Compendex 和 Scopus 检索，文章作者将被邀请到会展示研究报告。

查看往届会议出版检索历史，请访问：https://iccns.org/pub.html

◆ 会议投稿 ◆

1) 论文语言与审稿

- 只接受英文论文，投稿结束后，我们将根据文章主题，邀请相关领域专家进行审稿。
- 作者身份参会：审稿后文章被 ICCNS 2026 录用，作者需在会议现场完成成果分享，口头报告、海报报告形式均可。投稿截止日前，须提交完整论文全文参与审稿。
- 报告者身份参会：可在 ICCNS 2026 会议上以口头或海报形式做报告，报告文稿仅收录至会议合集，不进行正式出版，投稿时须提交报告摘要。

2) 稿件要求与学术规范

- 所有投稿文章须为原创，研究成果（实验性或理论性）未公开发表，且未被其他期刊 / 会议录用或审理。我们坚信学术道德是科研工作的核心准则，任何剽窃行为均为严重学术不端，本会议坚决杜绝。
- 稿件格式与篇幅要求：

a. 有出版意向投稿（全文）：按模板排版，Word 单栏版篇幅不少于 8 页，LaTeX 双栏版篇幅不少于 4 页；
b. 仅会议展示投稿（摘要）：无需提交全文，仅需按模板投稿摘要
→投稿系统: https://www.zmeeting.org/submission/iccns2026
→投稿邮箱: iccns_secretary@young.ac.cn
*文章模板下载: https://iccns.org/acm_template.docx（word 模版）
https://iccns.org/LaTeX-Templates.zip（Latex 模版）
*摘要模板下载: https://iccns.org/abstract_template.docx

详细投稿指南，请访问：https://iccns.org/sub.html

◆ 会议日程 ◆

2026年12月19日
10:00-16:30 | 参会者到注册台进行会议签到，并领取会议资料 | 线上测试

2026年12月20日
9:00-11:45 | 大会开幕式&会议主旨报告
14:00-18:00 | 现场分会场报告

2026年12月21日
9:00-18:00 | 线上分会场报告

◆ 哈尔滨 ◆

哈尔滨，别称“冰城”，是中国黑龙江省省会、副省级市，地处欧亚大陆桥枢纽，坐落于松花江畔，是中国东北地区政治、经济、文化中心，也是一座因中东铁路兴起、因中俄文化交融而独具魅力的边境名城。这里被誉为“东方小巴黎”“东方莫斯科”，兼具北国冰雪的壮阔与欧亚风情的浪漫，是联合国授予的“音乐之城”，更是世界知名的冰雪旅游目的地与历史文化名城。

◆ 特别专题 ◆

专题 1：物联网与空间计算安全
Chairs: 涂山山, 北京工业大学　　**宁振虎,** 北京工业大学

专题2：6G 通信安全与下一代可信系统
Chair: 于尧, 东北大学

◆ 征稿主题 ◆

Track 1：通信与信息工程

自组织网络与传感器网络
嵌入式网络
高速接入网络
家庭及小型办公网络
IPv6 部署与迁移
局域网
光网络
对等网络
个人及可穿戴网络
路由与调度
普适网络
无线网络
多媒体与实时通信
……

Track 2：信息与网络安全

Chair(s): Yu-Beng Leau, 马来西亚沙巴大学

网络入侵检测与防御
恶意软件与僵尸网络
通信隐私与匿名性
分布式拒绝服务
公钥基础设施与密钥管理
Web 安全
安全路由与网络管理
普适计算中的安全与隐私
新兴技术安全（VoIP、P2P）
信息泄露与窃取
数据篡改与删除
计算机病毒与安全漏洞
攻击监测
……

Track 3：数据安全

Chair(s): Paulo Batista, 葡萄牙埃武拉大学

密码学与加密技术
数据完整性与真实性
网络安全协议
面向威胁检测的机器学习
应用安全
事件响应与管理
物联网设备安全
数据备份与恢复方案
法规遵从
面向数据处理的同态加密
零知识证明及其应用
后量子密码学与迁移
……

Track 4：隐私保护

数据匿名化技术
用户同意与数据收集
隐私设计（设计即隐私）
监控与数据隐私
隐私增强技术（PET）
用于隐私保护的区块链
数据处理中的伦理考量
跨境数据传输
消费者隐私权
人工智能对隐私的影响
差分隐私及其应用
用于隐私保护的联邦学习
……

Track 5: 人工智能、未来网络与可信系统

Chair(s): Saeid Pourroostaei, 英国伦敦玛丽女王大学

基于人工智能 / 机器学习的网络安全
人工智能驱动的安全分析
人工智能系统安全
可解释可信安全人工智能
6G 与下一代网络安全
抗量子网络
软件定义网络与网络功能
虚拟化安全
零信任架构
安全访问服务边缘
可信执行环境
面向安全系统的区块链
信息物理系统与工业控制系统安全
...

更多征稿主题，请参照: https://iccns.org/cfp.html

◆ 重要日期 ◆

投稿截止时间：2026年10月25日
最终通知时间：2026年11月20日
注册截止时间：2026年12月01日

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The 16th International Conference on Communication and Network Security

ICCNS

Communication and Network Security

December 19-21, 2026
Harbin, China

The 16th International Conference on Communication and Network Security (ICCNS 2026) will be held in Harbin, China, during December 19–21, 2026. It is sponsored by Heilongjiang University, China, and hosted by the School of Electronic Engineering, Heilongjiang University, China. As ICCNS celebrates its 16th year, the conference will continue to witness and promote advances in communication and network security.With the growing reliance on digital communications and the rising frequency of cyber attacks, network security has become a critical concern for organizations and individuals alike. ICCNS aims to provide a high-quality platform for researchers from academia, industry, and government institutions to exchange ideas and present innovative research in communication and network security. It is an important event for researchers, practitioners, and professionals in the field.

www.iccns.org

Invited Speaker

Mohd Nazri Ismail
National Defence University of Malaysia, Malaysia

Kai Zhou
China Unicom Digital Technology co., Ltd., China

Publication

The accepted paper will be included into ICCNS 2026 Conference Proceedings.

Submission

1. Papers submitted to the conference should be in English.
- You will publish the manuscript and deliver paper presentation on ICCNS 2026, orally or poster presentation. You must submit Full-length Manuscript for review before the submission deadline.
- You can deliver a presentation on ICCNS 2026, but the presented manuscript WILL NOT be published. Abstract is necessary to submit.

2. For submissions intended for publication (full paper):
Format your manuscript in accordance with the provided templates.
Word template (single-column): minimum 8 pages
LaTeX template (double-column): minimum 4 pages
3. For presentation-only submissions (abstract):
Full paper is not required; only the abstract formatted according to the template should be submitted.

→Submission System: https://www.zmeeting.org/submission/iccns2026
→Email Submission Address: iccns_secretary@young.ac.cn
*Full Paper Template: https://iccns.org/acm_template.docx; https://iccns.org/LaTeX-Templates.zip
*Abstract Template: https://iccns.org/abstract_template.docx

For more details about submission, please visit https://iccns.org/sub.html

Conference Schedule

Day 1, December 19, 2026
10:00 – 16:30 Registration,collecting conference materials

Day 2, December 20, 2026
09:00 – 18:00 Opening Remarks & Keynote Speech & Parallel Sessions

Day 3, December 21, 2026
09:00 – 18:00 Parallel Sessions

Harbin

Harbin, also known as the "Ice City", is the capital and sub-provincial city of Heilongjiang Province, China. Located at the hub of the Eurasian Continental Bridge and on the banks of the Songhua River, it is the political, economic and cultural center of Northeast China. It is also a famous border city that rose due to the construction of the Chinese Eastern Railway and flourished with the integration of Chinese and Russian cultures. Known as "Oriental Paris" and "Oriental Moscow", it combines the grandeur of northern ice and snow with the romance of Eurasian customs. It is a "City of Music" awarded by the United Nations and a world-famous ice and snow tourist destination and historical and cultural city.

Special Session

Special Session 1: IoT and Spatial Computing Security
Chairs: Shanshan Tu, Beijing University of Technology, China
Zhenhu Ning, Beijing University of Technology, China

Special Session2:6G Communication Security and Next-Generation Trusted Systems
Chair: Yao Yu, Northeastern University, China

Call for paper

Track 1: Communication and Information Engineering
Ad hoc & sensor networks
Embedded networks
High-speed access networks
Home and SOHO networks
IPv6 deployment & migration
Local area networks
.....

Track 2: Information and network security
Chair(s): Yu-Beng Leau, Universiti Malaysia Sabah, Malaysia
Network Intrusion Detection and Prevention
Malware and botnets
Communication Privacy and Anonymity
Distributed denial of service
Public Key Infrastructures and key management
Web security
.....

Track 3: Data security
Chair(s): Paulo Batista, University of Évora, Portugal
Cryptography and Encryption Techniques
Data Integrity and Authenticity
Network Security Protocols
Machine Learning for Threat Detection
Application Security
Incident Response and Management
.....

Track 4: Privacy Protection
Data Anonymization Techniques
User Consent and Data Collection
Privacy by Design
Surveillance and Data Privacy
Privacy Enhancing Technologies (PETs)
Blockchain for Privacy Protection
.....

Track 5: AI, Future Networks and Trusted Systems
Chair(s): Saeid Pourroostaei, Queen Mary University of London, UK
AI/ML for Network Security
AI-Powered Security Analytics
Security of AI Systems
Explainable and Trustworthy AI for Security
6G and Next-Generation Network Security
Quantum-Safe Networks
.....

For more topics, please visit https://iccns.org/cfp.html

Important Days

Submission Deadline: October 25, 2026
Notification Deadline: November 20, 2026
Registration Deadline: December 01, 2026

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Organized by 电子工程学院 School of Electronic Engineering

Co-organized by 东北电力大学 NORTHEAST ELECTRIC POWER UNIVERSITY; 北京工业大学 BEIJING UNIVERSITY OF TECHNOLOGY; 广西大学 GUANGXI UNIVERSITY

Contact

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