

2022 5th International Conference on Computing and Big Data (ICCBD 2022) will be held in **University of Shanghai for Science and Technology, China** during **December 16–18, 2022**.

The theme of the conference is "Big Data Analytics for Smart Energy Systems".

ICCBD 2022 is sponsored by **IEEE Computer Society**, organized by **Shanghai University of Technology, China** and co-organized by **Shanghai Jiao Tong University, China** and **Southern University of Science and Technology, China**. And technical sponsored by **Special Technical Communities on Big Data**.

## Important Date

Submission Deadline	November 15, 2022
Notification Deadline	November 30, 2022
Registration Deadline	December 05, 2022

## PLENARY SPEAKERS



**Prof. Lihui Wang**  
Academician of Canadian Academy of Engineering, Canada



**Prof. Xun William Xu**  
Academician of New Zealand Academy of Engineering, New Zealand

## KEYNOTE SPEAKERS



**Prof. Min Chen**  
Huazhong University of Science and Technology, China, IEEE FELLOW



**Prof. Liu Chi**  
Beijing Institute of Technology, China



**Assoc Prof. Chen Chun-Hsien**  
Nanyang Technological University, Singapore



**Prof. Weidong Li**  
University of Shanghai for Science and Technology, China



**Prof. Yongsheng Ma**  
Southern University of Science and Technology, China

## INVITED SPEAKER

**Prof. Mohan Lal Kolhe**, University of Agder, Norway

**Assoc. Prof. Wei Wang**, Xi'an Jiaotong-Liverpool University, China

**Assoc. Prof. Junliang Wang**, Donghua University, China

**Assoc. Prof. Sook-Ling (Linda) Chua**, Multimedia University, Malaysia

**Assoc. Prof. Wendy Hui**, Lingnan University, China

## Conference Venue

University of Shanghai for Science and Technology  
Address: No.516 Jungong rd, Yangpu district, Shanghai, China

## Contact

Conference secretary: Ms. Kiko Xu

Email: iccbd@academic.net

Phone: +86-17323120754(China)

Monday to Friday, 09:30–18:00, (GMT+8)

## Submission Guidelines

–Language: English is the official language of the conference. The paper should be written and presented only in English.

–Publication & Presentation: Full paper submission is required if you consider publishing your paper.

–Presentation Only: Abstract submission is acceptable for presentation only at ICCBD 2022.

–Full Papers: No less than 5 pages, including all content and references, extra pages will be charged.

–Abstract Papers: Short Papers are limited to a total of 1 (about 150–300 words) page, including all content and references.

–Submission Method:

\*Submit paper via online system: <https://easychair.org/conferences/?conf=iccbd2022>

\*Submit paper via email directly: [iccbd@academic.net](mailto:iccbd@academic.net)

More detail about submission, please visit <http://www.iccbd.org/>

## Conference Proceedings



IEEE

The accepted paper will be published by IEEE, and included into IEEE Xplore, which will be indexed by Ei Compendex, Scopus, as well as other Abstracting and Indexing (A&I) databases. At least one author of accepted papers are required to participate this year's conference and make a presentation.

## The History of Publication

**ICCBD 2021** | ISBN: 978-1-4503-8719-4 | ACM Digital Library | Indexed by: Ei Compendex, Scopus

**ICCBD 2020** | ISBN: 978-1-4503-8786-6 | ACM Digital Library | Indexed by: Ei Compendex, Scopus

**ICCBD 2019** | ISBN: 978-1-4503-7290-9 | ACM Digital Library | Indexed by: Ei Compendex, Scopus

**ICCBD 2018** | ISBN: 978-1-4503-6540-6 | ACM Digital Library | Indexed by: Ei Compendex, Scopus

## Call for Paper

### Internet + Intelligent Energy Consumption

Identification of customer behavior  
DER management and demand response  
Transaction of power consumption right  
Energy substitution and management

### Big Data Analytics

Novel Theoretical and Computational Models  
Framework for Data Understanding and Quality  
New Data Standards and Programming Models  
Infrastructure, Architecture and Platform

### Big Data Science and Engineering

Algorithms and Programming Techniques for Big Data Processing  
Big Data in Enterprise Management Models and Practices  
Big Data in Smart Planet Solutions  
Big Data Open Platforms

### IOT Applications

Big Data Storage, Indexing, Searching and Querying  
IoT Architectures and Protocols

### Emerging Technology Applications

Machine learning and big data analysis  
Blockchain for distributed application and transaction  
5G network and communication  
Ioud computing and edge computing  
Internet of Things (IoT) integrated power systems  
Cyber Security Technology

### Blockchain Research & Applications for Innovative Networks and Services

State-of-the-art of the Blockchain technology and cybersecurity  
Blockchain-based security solutions of smart cities infrastructures  
Blockchain in connected and autonomous vehicles (CAV) and ITS  
Blockchain Technologies and Methodologies

### Networking and Information Security

Blockchain based lightweight data structures for IoT data Security and Legal Issue in Mobile Applications/Apps  
Privacy of Open Data  
Access Control and Authentication

For more topics, please visit <http://www.iccbd.org/cfp.html>

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第五届计算与大数据国际会议(ICCBD 2022)将于2022年12月16-18日在中国上海, 上海理工大学召开。ICCBD 2022由IEEE计算机协会赞助, 上海理工大学主办, 上海交通大学和南方科技大学协办并由IEEE计算机协会大数据专委会提供技术支持。

### 重要时间

截稿期限	2022年11月15日
录用结果通知	2022年11月30日前
注册截止	2022年12月05日

### 全体报告人



**王立辉院士**  
加拿大工程院院士



**徐旬教授**  
新西兰工程院院士, 新西兰

### 主旨报告人



**陈敏教授**  
华中科技大学 IEEE Fellow



**刘驰教授**  
北京理工大学, 中国



**Assoc Prof Chen Chun-Hsien**  
南洋理工大学, 新加坡



**李卫东教授**  
上海理工大学, 中国



**马永胜教授**  
南方科技大学, 中国

### 邀请报告人

**Mohan Lal Kolhe 教授**, 阿哥德大学, 挪威

**王唯副教授**, 西交利物浦大学, 中国

**吴俊亮副教授**, 东华大学, 中国

**Sook-Ling (Linda) Chua 副教授**, 多媒体大学, 马来西亚

**Wendy Hui 副教授**, 岭南大学, 中国

### 会场信息

上海理工大学

地址: 上海市杨浦区军工路516号

### 联系方式

联系人: 胥老师

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### 征稿说明

- 会议官方语言为英语, 只接受英文论文, 请务必用英语撰写论文。
  - 摘要只做报告不发表, 如要发表和做报告请投全文。
  - 全文文章篇幅要求5页内, 包括全部内容和参考文献, 额外页面将收取超页费; 摘要篇幅在一页内, 大约150-300字, 包括全部内容和参考文献。
  - 投稿方式:
    - 将文章上传到电子投稿系统, 详情请访问:  
<https://easychair.org/conferences/?conf=iccbd2022>
    - 如果您不能通过投稿系统投稿, 请将您的文章发送到会议官方邮箱: [iccbd@academic.net](mailto:iccbd@academic.net)
- 更多关于投稿的信息, 请访问: <http://www.iccbd.org/sub.html>

### 会议论文集



ICCBD2022会议论文集将由IEEE出版到会议论文集并提交Ei核心、Scopus等检索; 文章作者将被邀请参会做口头报告。

### 往届出版历史

ICCBD 2021 | ISBN: 978-1-4503-8719-4 | ACM数据库 | 已被Ei核心和Scopus检索

ICCBD 2020 | ISBN: 978-1-4503-8786-6 | ACM数据库 | 已被Ei核心和Scopus检索

ICCBD 2019 | ISBN: 978-1-4503-7290-9 | ACM数据库 | 已被Ei核心和Scopus检索

ICCBD 2018 | ISBN: 978-1-4503-6540-6 | ACM数据库 | 已被Ei核心和Scopus检索

更多信息, 请浏览: <http://iccbd.org/>

### 征稿主题

#### 互联网+智能能耗

客户行为识别  
DER管理和需求响应  
用电权交易  
能源替代与管理

#### 大数据分析

新颖的理论和计算模型  
数据理解和质量框架  
新的数据标准和编程模型  
基础设施、架构和平台

#### 大数据科学与工程

大数据处理的算法和编程技术  
企业管理模式和实践中大数据  
智慧星球解决方案中的大数据  
大数据开放平台  
大数据持久化和保存  
大数据质量和来源控制

#### 物联网应用

大数据存储、索引、搜索和查询  
物联网架构和协议  
物联网网络中的 QoS 管理  
传感器网络协议

#### 机器学习和大数据分析

用于分布式应用和交易的区块链  
5G网络与通讯  
大声计算和边缘计算  
物联网 (IoT) 综合电力系统  
网络安全技术  
大数据的可视化分析

#### 创新网络和区块链研究与应用

最先进的区块链技术和网络安全  
基于区块链的智慧城市基础设施安全解决方案  
联网和自动驾驶汽车 (CAV) 和 ITS 中的区块链  
区块链技术和方法  
近期发展和新兴趋势 区块链  
与区块链相关的新模式、实用解决方案和技术进步  
网络安全中的区块链理论  
区块链技术在计算机和硬件安全中的应用

#### 网络和信息安全

物联网数据的基于区块链的轻量级数据结构  
移动应用程序/应用程序中的安全和法律问题  
开放数据的隐私  
访问控制和身份验证  
内容和数据的可靠性和安全性

更多主题详情, 请访问 <http://www.iccbd.org/cfp.html>

会议赞助



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