CURRICULUM VITAE

Kaishun WU

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PRESENT POSITION: Associate Vice President (Research), HKUST(GZ)

（香港科技大学（广州）协理副校长（研究））

Professor of Thrust of Data Science and Analytics/Thrust of Internet of Things, HKUST(GZ)

（香港科技大学（广州）数据科学与分析学域、物联网学域教授）

Director of Guangdong provincial Key Laboratory of Intergrated Communication, Sensing and Computation for Ubiquitous Internet of Things

（广东省通感算交叉融合泛在物联网重点实验室 主任）

Director of Guangdong Provincial Center of Wireless Big Data and Future Network Engineering

（广东省无线大数据与未来网络工程中心 主任）

Director of Centre for Ethics Education and Contemporary China Studies, HKUST(GZ)

（香港科技大学（广州）思政与国情教育中心 主任）

Chairman of The Hong Kong University of Science and Technology (Guangzhou) Education Foundation

（广东省香港科技大学（广州）教育基金会 理事长）

Chairman of Guangdong-Hong Kong-Macao Collaborative Talent Center

（广州市南沙区粤港澳人才协作中心 理事长）

Chairman of Guangdong-Hong Kong-Macao Greater Bay Area Talent Collaborative Development Ecological Alliance Council

（粤港澳大湾区人才协同发展生态联盟理事会 理事长）

EDUCATION AND QUALIFICATIONS

Doctor of Philosophy (Ph.D.)   Department of Computer Science, Hong Kong University of Science

(08/2008 - 06/2011)   and Technology, Hong Kong

Bachelor of Science (B.Sc.)   Department of Microelectronics, Sun Yat-sen University,

(09/2003 - 09/2007)   Guangzhou, China

EMPLOYMENT HISTORY

August 2022 -   Part of Knowledge Transfer Affairs (9/2022 to 4/2023), oversee all IP and ICD

                                   Associate Vice President (Research), Professor, Data Science and Analytics Thrust/ Internet of Things Thrust, the Hong Kong University of Science and Technology(Guangzhou)

June 2020 - July 2022   Assistant Dean, Distinguished Professor, College of Computer Science and Engineering, Shenzhen University

September 2013 – June 2020   Distinguished Professor, College of Computer Science and Engineering, Shenzhen University

July 2011 – August 2013   Research Assistant Professor, the Hong Kong University of Science and Technology, Hong Kong

ADVISORY / ACADEMIC COMMITTEES

April 2024 -	Chairman of The Hong Kong University of Science and Technology (Guangzhou) Education Foundation 广东省香港科技大学（广州）教育基金会 理事长
December 2023-	Deputy Chairman, Guangzhou Association for Science and Technology（广州市科学技术协会副主席）
September 2023-	Deputy director, CCF TCPC（中国计算机学会普适计算专委会副主任）
January 2023-	Member, Guangdong Provincial comittee of CPPCC（广东省政协委员）
August 2022 –	Member, the CPC HKUST(GZ) Committee（香港科技大学（广州）党委委员）
August 2022 –	Member, Senate of HKUST(GZ)（香港科技大学（广州）理事会 成员）
August 2022 –	Member, Academic and Research Board of HKUST(GZ)（香港科技大学（广州）学术和研究委员会 成员）
August 2022 –	Member, Research Committee of HKUST(GZ)（香港科技大学（广州）研究委员会 成员）
August 2022 –	Member, Trade Union of HKUST(GZ)（香港科技大学（广州）工会委员会 委员）
April 2021 – September 2022	Member, Academic Advisory Committee, Shenzhen University (深圳大学学术委员会 委员）
August 2019 –September 2022	Member of Executive Committee, Guangdong-Hong Kong-Macao Greater Bay Area AIoT Joint Research Center (粤港澳大湾区智能物联网联合研究中心)
August 2019 –	Member, Academic Advisory Committee, Guangdong Province Key Laboratory for Intellectual Property Big Data, Guangdong, China (广东省知识产权大数据重点实验室学术委员会委员）

AWARDS AND RECOGNITION

Community Recognition

1. 2023 Most Cited Chinese Researchers, 2024. (published by Elsevier)

2. National "Ten Thousand People Program" Leading Talents in Science and Technology Innovation , 2023.（国家"万人计划"科技创新领军人才）

3. The World's Top 2% of Scientists of "Lifetime Scientific Influence Ranking", 2023. (published by Stanford University)

4. The World's Top 2% of Scientists of "2022 Scientific Impact Ranking", 2023. (published by Stanford University)

5. Leader of Guangdong Normal University Innovative Research Team: Guangdong Provincial Innovation Team of Integrated Communication,Sensing and Computation for Ubiquitous Internet of Things, 2023.（广东省普通高校创新团队带头人：广东省通感算交叉融合泛在物联网创新团队）

6. 2022 Most Cited Chinese Researchers, 2023.(published by Elsevier)

7. IEEE Fellow, 2022.

8. 2021 Most Cited Chinese Researchers, 2022. (published by Elsevier)

9. The World's Top 2% Scientists, 2022 (published by Stanford University)

10. The World's Top 2% Scientists, 2021 (published by Stanford University)

11. Shenzhen representative of the Communist Party of China，2021（中国共产党深圳市党代表）

12. National May 1 Labor Medal, 2021 (全国五一劳动奖章, 国家级奖励，深圳唯一获奖的教育、科研工作者)

13. 2020 Most Cited Chinese Researchers, 2021. (published by Elsevier)

14. State Council Special Allowance Expert for Great Achievements of Nature Science Development in China, 2020. (中华人民共和国国务院颁发政府特殊津贴)

15. Shenzhen National Leading Talents, 2020.（深圳市国家级领军人才）

16. The World's Top 2% Scientists, 2020 (published by Stanford University)

17. Leader of Guangdong Normal University Innovative Research Team: New Generation Intelligent Internet of Things, 2019.（广东省普通高校创新团队带头人：新一代智能物联网创新团队）

18. Fok Ying Tung Education Foundation Excellent Young Teacher Award, 2019. (教育部霍英东教育基金会第十七届高等院校青年教师奖)

19. Guangdong Excellent Inventor Prize, 2019.（2019 年广东杰出发明人奖, 全省 10 人）

20. National Hundred-Thousand-Ten Thousand Talents Program/National Young and Middle-Aged Experts with Outstanding Contributions, 2019. (国家百千万人才工程/国家有突出贡献中青年专家)

21. Fellow, The Institution of Engineering and Technology (IET), for contributions to wireless communication and mobile networks, 2018.

22. Guangdong Youth May Fourth Medal, 2019. (广东省青年五四奖章)

23. Guangdong May 1 Labor Prize, 2019. (广东省五一劳动奖章)

24. Leader of Guangdong Natural Science Foundation Research Team：Wireless Big Data and Future Network, 2017.（广东省自然科学基金研究团队带头人：无线大数据与未来网络团队）

25. Shenzhen Young Scientist Award, 2017. (深圳市青年科技奖)

26. Shenzhen Model Worker, 2017. (深圳市劳动模范)

27. China Institute of Communications Young Scientist Award, 2017. (中国通信学会首届青年科技奖, 全国每两年一次，每次 10 人）

28. The Ding-Ying Science and Technology Award, 2015. (广东省丁颖科技奖，全省每两年评一次，每次 20 人，广东省科技人物最高奖)

29. Guangdong Leading Talents in Science and Technology Innovation, 2015. (广东省科技创新领军人才）

30. Guangdong Pearl River Scholar Professor of Higher Education, 2015. (广东省珠江学者特聘教授）

31. National 1000 Talent Plan for Young Researchers, 2014. （中组部青年千人计划)

32. Guangdong Young Talents in Science and Technology Innovation 2014. (广东省科技创新青年拔尖人才)

33. IEEE ComSoc Asia-Pacific Outstanding Young Researcher Award, 2014.

34. New Century Excellent Talents in University, Ministry of Education, 2013. (教育部新世纪优秀人才)

35. Hong Kong Young Scientist Award, 2012. (total 4 award winners in Hong Kong, the only one in Physical/Mathematica)

36. Guangdong Natural Science Funds for Distinguished Young Scholar, 2012. (首届广东省杰青） (16/337)

Award for Scientific Research Projects

1. 2022 Guangdong Youth Science and Technology Innovation Award.（2022 年度广东省青年科技创新奖）

2. First Class Award, 2022 Shenzhen Science and Technology Progress Award（2022 年度深圳市科学技术奖自然科学奖一等奖（第一完成人），Project Title: Research on Device-free Sensing Theory and Method Based on Ubiquitous Radio-frequency Signals（基于泛在射频信号的无设备感知理论与方法研究）

3. Chinese Excellent Patent Prize, Patent Name: A mobile networking method and system for minimizing interference (一种干扰最小化的移动组网方法与系统), 1st inventor, 2022 (中国专利奖优秀奖，第一发明人)

4. Guangdong Excellent Patent Prize, Patent Name: A mobile networking method and system for minimizing interference (一种干扰最小化的移动组网方法与系统), 1st inventor, 2021 (广东省专利奖优秀奖，第一发明人)

5. Second Class Award, 2019 Guangdong Province Science and Technology Progress Award（2019 年广东省科技进步二等奖（第三完成人），Project Title: Research and application of key technologies of building fire safety detection based on big data（基于大数据的建筑消防安全检测关键技术研究及应用）

6. Second Class Award, Ministry of Education of China Academic Research Outstanding Award in Nature Science, 2018. (教育部自然科学二等奖，第一完成人），Project Title: Research on Transceiver-free Wireless Sensing Technologies (基于非接触的无线感知理论和方法研究）

7. First Class Award, Guangdong Province Science and Technology Award, 2017. (广东省科学技术奖（科技进步）一等奖, 第一完成人），Project Title: Large Scale Wireless Sensing and Heterogeneous Interconnection for Smart City (面向智慧城市的大规模无线感知和异构互联系统及其产业化应用）

8. Second Class Award, Guangdong Province Science and Technology Award, 2016. (广东省科学技术奖（技术发明）二等奖, 第一完成人），Project Title: The Key Techniques of Dense Wireless Network based on Intelligent Collaboration（基于智能协同的密集型无线网络关键技术及应用）

9. First Class Award, Guangdong Province Science and Technology Award, 2014. (2014 广东省科学技术奖（自然科学）一等奖, 第一完成人），Project Title: Wireless Network Performance Enhancement by using Physical Layer Techniques（基于物理层技术的无线网络性能优化研究）

10. Hong Kong ICT Awards 2014: Best Innovation for project "WiFall: Device-free Fall Detection System".

Best Paper/Poster Awards

1. Best Poster Award, In Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT/UbiComp), 2021

2. Best Paper Award: IEEE International Conference on Parallel and Distributed Systems (IEEE ICPADS'2020)

3. Best Paper Award: IEEE International Conference on Parallel and Distributed Systems (IEEE ICPADS'2019)

4. Best Paper Award: International Conference on Sensing, Communication and Networking (IEEE SECON'2018, 1/211 submissions)

5. Best Paper Award: IEEE International Conference on Mobile Ad-Hoc and Smart Systems (MASS 2014)

6. Best Paper Award: IEEE International Conference on Parallel and Distributed Systems. (IEEE ICPADS'2012, 1/294 submissions)

7. Best Paper Award: IEEE Global Communications Conference. (IEEE Globecom'2012, 15/2560 submissions)

PROFESSIONAL ACTIVITIES (SELETCTED)

Journal Editorship

1. Associate Editor: *IEEE Transactions on Network Science & Engineering* (2023 –)

2. Associate Editor: *ACM Transactions on Sensor Networks* (2022 –)

3. Associate Editor: *IEEE Transactions on Mobile Computing* (2019 –)

4. Associate Ed*itor: Sensors (2021-)*

5. Associate Editor: *IET COMMUNICATION* (2017 –)

6. Associate Editor: *Frontiers of Computer Science* (2016 – 2019)

7. Associate Editor: *KSII Transactions on Internet and Information Systems (TIIS)* (2016 – 2019)

8. Guest Editor: *IEEE Network* (2017)

9. Editor: *Open Transactions on Wireless Sensor Network* (2014-)

Conference Organization

1. General Chair: EAI International Conference on Edge Computing and IoT (EAI ICECI 2021)

2. Program Co-Chair: EAI International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness (EAI Qshine 2020)

3. Program Chair: CCF 15th National Pervasive Computing Conference (PCC 2019)

4. Program Co-Chair: IEEE International Conference on Parallel and Distributed Systems (IEEE ICPADS 2017)

5. General Chair: IEEE INFOCOM 2015 Workshop on Quality of Experience-Based Wireless Communications (QoEWC)

6. Student Activities Co-Chair: IEEE INFOCOM 2015

RESEARCH AND DEVELOPMENT

Research Interests

Internet of Things, Wireless Networks, Wireless Communication, Mobile and Ubiquitous Computing, Pervasive Computing, Big Data, Smart e-Health, Industrial Networks. My recent research focuses on four main areas:

- Intelligent Sensing and Applications: device-free sensing of humans, acoustic sensing, vibration sensing

- AI for Wireless: bringing AI to wireless networking, mobile cloud computing and edge computing, Federated Learning and Wireless Networks, AI for Wireless Resource Management and Optimization

- IoT + AI Systems and Applications: building Internet of Things (IoT) systems with the AI technology to deepen and broaden the ways that we sense the physical world and enable innovative human-computer interactions

- Data Science from Mobile and Ubiquitous Computing Perspectives with Applications to Smart Cities

Research and Industrial Grants (As PI, Selected)

Project Title	Period	Funding Scheme	Amount
Guangdong Provincial Innovation Team of Integrated Communication,Sensing and Computation for Ubiquitous Internet of Things	01/2024-12/2026	Guangdong Provincial Innovation Team	RMB$1,600,000
Guangdong Provincial Key Laboratory of Integrated Communication, Sensing and Computation for Ubiquitous Internet of Things	01/2023-12/2025	Guangdong Provincial Key Laboratory	RMB$3,000,000
Community-oriented Context Aware Computing based on Multidimensional and Deep Sensing Data	01/2021-12/2024	NSFC Key Project Grant	RMB$2,550,000
Shenzhen Key Laboratory for Wearable IoT Intelligent Sensing and Computing Lab	01/2020-03/2022	Shenzhen Key Laboratory Fund	RMB$5,000,000
Development and demonstration of key technologies and equipment for monitoring and early warning of emergent acute infectious diseases and emergency medical rescue in the Guangdong-Hong Kong-Macao Greater Bay Area	01/2020-12/2022	Guangdong Provincial Key R&D Program	RMB$468,000
Construction of a large scientific database of food-borne pathogenic microorganisms	01/2020-12/2022	Guangdong Provincial Key R&D Program	RMB$1,000,000
The Wearable Interaction Technique based on Vibration Signals	01/2019-12/2022	NSFC	RMB$630,000
Localization and Recognition based on Large Scale Multisource data	12/2017-12/2021	NSFC Key Project Grant	RMB$800,000

Project Title	Period	Funding Sources	Amount
Real Time Control Techniques of Industrial IoT Network	07/2017-06/2019	Shenzhen Key Basic Research Funding Scheme	RMB$3,000,000
User Multidimensional and Deep Sensing Model based on Wearable Techniques	07/2017-06/2019	Shenzhen Basic Research Funding Scheme	RMB$500,000
Wireless Big Data and Future Network	05/2017-05/2022	Guangdong Natural Science Foundation Research Team	RMB$3,000,000
Intelligent Wearable Computing	09/2015-09/2017	Shenzhen Overseas High-level Talents Special Support program	RMB$1,000,000
Wireless Indoor Localization based on PHY Information	01/2015-12/2018	NSFC	RMB$820,000
Wireless Network Cooperation and Management based on PHY Information	09/2014-09/2016	Shenzhen Basic Research Funding Scheme	RMB$500,000
Guangdong Normal University Innovative Research Team：Next Generation Intelligent Internet of Things	01/2020-12/2022	Department of Education of Guangdong Province	RMB$300,000
Intelligent Sensing and Mobile Computing	01/2021-01/2023	Shenzhen University Special Research Grants	RMB$2,000,000
Guangdong Wireless Big Data and Future Network Engineering Center	01/2017-12/2021	Shenzhen University Special Research Grants	RMB$1,500,000
High Quality Patent Support Program	01/2016-12/2021	Market Supervision Administration of Shenzhen Municipality	RMB$1,159,160
Fall Detection by Wireless Networks	03/2018-03/2021	Fok Ying-Tung Education Foundation, Ministry of Education	RMB$108,000
Internet of Things Research Center of Shenzhen University	01/2013-12/2015	Finance Commission of Shenzhen Municipality	RMB$5,000,000
The Key Techniques in Internet of Things	01/2015-12/2018	National 1000 Talent Plan for Young Researchers Fund	RMB$3,000,000
Wireless Network Performance Enhancement by using PHY Techniques	01/2013-12/2015	Ministry of Education, New Century Excellent Talents in University,	RMB$500,000
New Design of Network Topology and Routing Protocols for Wireless Mobile Communications	01/2012-12/2014	Guangdong Natural Science Funds for Distinguished Young Scholar	RMB$1,000,000

Teaching Grants (As PI)

Project Title	Period	Funding Sources	Amount
Interdisciplinary Curriculum Construction: AI + IoT	10/2021-10/2022	Shenzhen University Interdisciplinary Curriculum Construction Project	RMB$20,000

Intelligent IoT	10/2021-10/2022	Shenzhen University "Micro Specialty" Project	RMB$30,000
Internet of Things	01/2020-12/2020	"Apprentice-gathering Teaching" Innovation Project	RMB$10,000
Developing Advance Wireless Network Techniques for Postgraduate Course	01/2015-12/2015	Shenzhen University Postgraduate Course Construction Project	RMB$20,000

Student Innovation and Entrepreneurship Grants (As Supervisor, Selected)

Project Title	Period	Funding Sources	Amount
Vibration-based Pervasive Computing and Intelligent Sensing	01/2020-12/2021	Guangdong S&T Innovation Strategic for Students	RMB$20,000
FaceInput- A Hand-Free and Secure Text Entry System through Facial Vibration	01/2020-12/2021	Guangdong S&T Innovation Strategic for Students	RMB$20,000
Screen Privacy protection in Mobile Device	10/2021-10/2022	Shenzhen S&T Innovation Committee Student Innovation Program	RMB$100,000
Device-free Passive Indoor Localization in Complex Environments	10/2016-10/2018	Shenzhen S&T Innovation Committee Student Innovation Program	RMB$100,000
Liquid Detection by Smart Phone	01/2020-12/2021	Guangdong College Student Innovation and Entrepreneurship Training Program	RMB$10,000

Industrial and Consultancy Grants (As PI)

Project Title	Period	Funding Sources	Amount
Research on key technologies of video large model based on anti-fraud scenarios	11/2023-12/2023	China Mobile Information Technology Co., Ltd.	RMB$1,060,000
Research and Development Project of Intelligent Analysis Algorithm for Body Signs Based on Millimeter Wave Sensing	12/2023-12/2023	China Mobile Information Technology Co., Ltd.	RMB$1,060,000
Efficient implementation of quantum-resistant cryptography in IoT devices	9/2022-3/2023	Hangzhou Liang'an Technology Co., Ltd.	RMB$100,000
Drinking Water Monitoring System from Water Source to Product	12/2018-12/2019	Guangdong Institute of Microbiology	RMB$650,000
Education and Training Big Data Analysis and Modeling	11/2017-02/2018	Shenzhen Cannes Culture Development Co., Ltd.	RMB$400,000
Research on Performance Optimization and Positioning of Dense Wireless Local Area Network	12/2015-11/2016	Shenzhen 7G Intelligent Network Co., Ltd.	RMB$300,000
Development of Gesture Recognition Technology based on Ultrasound	01/2018-07/2018	Tencent Technology (Wuhan) Co., Ltd.	RMB$300,000

Smart Home Directional Control System	01/2019-07/2021	Guangzhou Baotai Electronics Co., Ltd.	RMB$300,000

TEACHING AND SUPERVISION

I have obtained 2 teaching grants in 2020, both are about cross-disciplinary studies in AI and IoT which are closely partnered with Zhongxing Telecommunication Equipment Corporation (ZTE). I have also obtained a teaching grant on developing advance wireless network techniques for postgraduate course in 2015.

Subjects Taught

- Professional Research English，Undergraduate course，Shenzhen University
- Intelligent Internet of Things，Undergraduate course，Shenzhen University
- Wireless Sensor Network，Undergraduate course，Shenzhen University
- Programming Language，Undergraduate core courses，Shenzhen University
- Introduction to the Internet of Things，Undergraduate course，Shenzhen University
- Mobile Computing and Data Management，Graduate course，Shenzhen University
- IoT Application Technology，Graduate courses，Shenzhen University
- Wireless Network Positioning Technology and Application，Graduate course，Shenzhen University
- Smart Wearable Technology，Seminar course，Shenzhen University
- Basic Theory and Application of Indoor Positioning Technology，Short Course on Research Projects，Shenzhen University
- Lectures on Cutting-edge Computer Technology，Subject professional elective course，Shenzhen University
- Research on Frontier Technology of Wearable Devices，Short Course on Research Projects，Shenzhen University
- Internet of Things Summer Skills Training Class，College featured short course，Shenzhen University
- Internet of Things and Wearable Computing Technology，Short Course on Research Projects，Shenzhen University

Students Awards (Selected)

1. Outstanding Instructor in the 2022 Guangdong College Students Computer Design Competition（2022年广东省大学生计算机设计大赛优秀指导老师），September 2022.

2. Outstanding Instructor in the 10th National University Student E-commerce "Innovation, Creativity and Entrepreneurship" Challenge Guangdong Division Provincial Trial（全国大学生电子商务"创新、创意及创业"挑战赛优秀指导老师），August 2020.

3. Instructed Yicong Chen, Tianle Li, Junchao Lin and other students to win the gold medal in the 7th China International "Internet +" College Student Innovation and Entrepreneurship Competition in Guangdong Province（第七届中国国际"互联网+"大学生创新创业大赛广东省分赛高教主赛道金奖），August 2021.

4. Lin Zhang, Zhencan Peng, Fuwen Chen, Hongcui Yuan, Tianhui Liu, the third prize of entrepreneurship practice in the 12th China University Student Service Outsourcing Innovation and Entrepreneurship Competition(中国大学生服务外包创新创业大赛创业实践类三等奖), August 2021.

5. Fuwen Chen, Yuheng Zhong and Ruiyuan Hu, the second prize in the 2021 (14th) China University Computer Design Contest Artificial Intelligence Application(中国大学生计算机设计大赛人工智能应用-人工智能实践赛（普通赛道）二等奖), July-August 2021.

6. Xintong Chen, Jianan Yuan, Yongqi Li, Yuheng Zhong and Huitong Jin, the third prize in the 11th National College Student E-commerce "Innovation, Creativity and Entrepreneurship" Challenge School Competition(全国大学生电子商务"创新、创意及创业"挑战赛校级赛三等奖), June 2021.

7. Wenkai Yang, Lingxiao Yu and Yuanyuan Chen, the third prize in artificial intelligence in the 2020 Guangdong University Computer Design Competition(广东省大学生计算机设计大赛人工智能三等奖), September 2020.

8. Cong Li, Diannan Chen and Zhencan Pen, the first prize in the Internet of Things application in the 2020 Guangdong University Computer Design Competition(广东省大学生计算机设计大赛物联网应用一等奖), September 2020.

9. Kaixin Chen, Yiyang Cheng, Ziqing Xu, the silver awards in the 6th China International "Internet+" University Student Innovation and Entrepreneurship Competition（中国国际"互联网+"大学生创新创业大赛银奖），August 2020.

10. Kaixin Chen and Yongnan Xu, the special prizes in the 10th National University Student E-commerce "Innovation, Creativity and Entrepreneurship" Challenge Guangdong Division Provincial Trial（全国大学生电子商务"创新、创意及创业"挑战赛特等奖），August 2020.

11. Kaixin Chen, Yongnan Xu, the Best Creativity Award in the 10th National Undergraduate E-commerce "Innovation, Creativity and Entrepreneurship" Challenge Guangdong Division Provincial Trial（全国大学生电子商务"创新、创意及创业"挑战赛最佳创意奖），August 2020.

12. Xuxing Wu, Xiaoxin Cai, Yiyuan Huang, Maoning Guan, the silver prize in the 12th "Challenge Cup" Guangdong University Student Entrepreneurship Competition("挑战杯"广东大学生创业大赛大学生创业计划银奖), July 2020.

13. Kaixin Chen and Ziqing Xu, the second prize of the China University Student Service Outsourcing Innovation and Entrepreneurship Competition（中国大学生服务外包创新创业大赛二等奖），July 2020.

14. Ziyin Wang, Sicheng Wu and Qianru Liao, the second prize in the Guangdong University Computer Design Competition（广东省大学生计算机设计大赛二等奖），October 2019.

15. Hongjie Chen, Wanling Liu, the second prize of the China University Student Computer Design Competition（中国大学生计算机设计大赛二等奖），July 2019.

16. Ziyin Wang, Sicheng Wu and Qianru Liao , the first prize in the 12th China University Computer Design Competition in 2019（中国大学生计算机设计大赛一等奖），July 2019.

17. Hongjie Chen, Wanling Liu, the third prize of the "Challenge Cup" Guangdong University Student Extracurricular Academic Technology Works Competition（"挑战杯"广东大学生课外学术科技作品竞赛三等奖），May 2019.

18. Kaixin Chen, Kaijie Zhan and Shaofian Cai, the first prize in the second Longteng Cup National College Student Creative Innovation Competition（龙腾杯全国大学生创意创新大赛一等奖），February 2019.

19. Kaixin Chen, Ruixiong Yang and Ziqing Xu, the first prize in the second Longteng Cup National College Student Creative Innovation Competition（龙腾杯全国大学生创意创新大赛一等奖）， February 2019.

20. Qiang Yang, Meng Zhao, Wenqiang Chen, the second prize in the 4th China Graduate Mobile Terminal Design Innovation Competition（中国研究生移动终端设计创新大赛二等奖）， October 2018.

21. Wenqiang Chen, Maoning Guan, the "Outstanding Innovation and Entrepreneurship Project Award" in the 2nd "Shen Chuang Cup" International College Student Innovation and Entrepreneurship Competition（"深创杯"国际大学生创新创业大赛"突出双创项目奖"），August 2018.

22. Yishen Hu, Mingyang Lu, the second prize of the Guangdong University Student Computer Design Competition（广东省大学生计算机设计大赛二等奖）, August 2018.

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26. Wenqiang Chen, Maoning Guan and Su Cai, the Tencent "Challenge Innovative Team" award in the 2017 "Challenge Cup" college students' extracurricular academic technology work competition（挑战杯"大学生课外学术科技作品竞赛腾讯"锐意挑战创新团队"奖）, December 2017.

27. Wenqiang Chen, Qiang Yang and Yabin Lai, the second prize in the 3rd China Graduate Mobile Terminal Application Design Innovation Belt（第三届中国研究生移动终端应用设计创新大赛二等奖）, October 2017.

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- Gathering the wisdom of the Bay Area to open a new chapter in the Internet of Everything（伍楷舜：汇聚湾区智慧，开启万物互联新篇章-信息时报）, By **Information Times**, April 27, 2023.

- "Vibrations From a Smartphone Can Help Spot Unsafe Drinking Water", By **Communication of the ACM** and **New Scientist,** April 14, 2021.

- Create a new era of interconnected intelligence with hard technology (伍楷舜：用硬科技打造万物互联智能新时代 - 新华社), By **Xinhua News Agency**, Feb. 17, 2021.

- Connecting all things to create a smart life（追梦赤子心伍楷舜：让万物互联打造智慧生活-中央电视台）, By **CCTV**, Feb. 15, 2021.

- Squeeze the era of "Internet of Everything" ("85 后"教授伍楷舜，抢跑"万物互联"时代), By South (南方杂志), April.23, 2021

- Msc Student Yongzhi Huang was interviewed by **Shenzhen Satellite TV** in March 2021, and his research and development result "Blind Sensory Alternative Glasses" has been transformed through scientific and technological achievements, realizing the rooting of scientific and technological achievements.

Recent Invited Keynote Speeches / Talks / Panelists (SELETCTED)

1. Keynote Speech at CCF Wireless Sensing Frontier Technology Forum, Jul.7, 2023, Suzhou, Jiangsu, China. ("Offense and Defense in Human-Cyber privacy security_Electro-Driven and Human-Induced Vibration Signals")

2. Keynote Speech at CNCC Forum, Dec.18, 2021, Shenzhen, Guangdong, China. ("Vibration Sensing and its Applications")

3. Invited Talk at UIC, Nov.25, 2021, Virtual. ("Advanced Ubiquitous Sensing and Its Applications")

4. Invited Talk at Central South University, Nov.8, 2021, Virtual. ("Advanced Ubiquitous Sensing and Its Applications")

5. Keynote Speech at Zhongshan Science and Technology Association, Nov.3, 2021, Zhongshan, Guangdong, China. ("Building A New Intelligent Era of IoT")

6. Keynote Speech at ACM Turing Award Celebration Conference - China (ACM TURC 2021), July 31, 2021, Hefei, China. ("Intelligent Sensing and Its Applications")

7. Keynote Speech at CNOOC Information Technology Co., Ltd, July 28, 2021, Shenzhen, China. ("Intelligent Industrial Internet")

8. Keynote Speech at Jiangsu Computer Society, June 27, 2021, Jiangsu, China. ("Intelligent Sensing and Its Applications")

9. Keynote Speech at Shanghai Computer Society, Jan.8, 2021, Shanghai, China. ("Intelligent Sensing and Its Applications")

10. Keynote Speech at The 13th international conference on security, privacy and anonymity in computation, communication and storage (SpaCCS), Dec.17-19, 2020, Nanjing, China. ("Challenges and Opportunities of HCI on Novel Smart Devices")

11. Invited Talk at Zhongkai Agricultural College, Dec.15, 2020, Guangzhou, China. ("Challenges and Opportunities of HCI on Novel Smart Devices")

12. Invited Talk at Shenzhen Graduate School of Tsinghua University, Nov.5, 2020, Shenzhen, China. ("Recent Advances in IoT")

13. Keynote Speech at Guangdong Computer Society, Nov.8, 2020, Zhuhai, China. ("Vibration Sensing and Its Applications")

14. Invited Talk at Pervasive Computing Committee of China Computer Society, June 2020, Virtual. ("Vibration Sensing and Its Applications")

15. Keynote Speech at Embedded AI Summit, Dec.15, 2019, Shenzhen, China. ("Challenges and Opportunities of HCI on Novel Smart Devices")

16. Keynote Speech at The 16th EAI International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness (EAI Qshine), November 22-23, 2019, Shenzhen, China. ("Recent Advance of HCI on Novel Smart Devices")

17. Keynote Speech at 2019 Network Computing and AI Summit，Oct. 21-22, 2019, Changsha, China. ("Challenges and Opportunities of HCI on Novel Smart Devices")

18. Invited Talk at City University of Hong Kong, May 15, 2019, Hong Kong. ("Challenges and Opportunities

of HCI on Novel Smart Devices")

19. Keynote Speech at ACM Turing Award Celebration Conference - China (ACM TURC 2019), May 17-19, Chengdu, China ("Challenges and Opportunities of HCI on Novel Smart Devices")

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My papers have been well cited and followed up by many international researchers. My Google Scholar Citations has a total of over 10233 citations, with h-index 45 and i10-index 147. Especially, our Wifall paper published in IEEE TMC with over 1095 citations was *the most cited* paper in all 2292 papers published in this first-tier journal in past 10 years (2014-2023).

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2. [US] Lu Wang, Jianhao Zhang, Kaishun Wu, Ting Wang, "CLOUD-NETWORK INTEGRATION ORIENTED MULTI-ACCESS EDGE COMPUTING ARCHITECTURE", 2024-01-25, Patent No. US 18/476,269.

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