

GRANTS

1. NRC (Norwegian Research Council) INTPART (International Partnerships for Excellent Education and Research) Programme, “Transnational Partnership for Excellent Research and Education in Disruptive Technologies for a Resilient Future (DTRF)”, 2020-2023, Co-PI.
2. RGC Research Impact Fund (RIF), “Edge Learning: the Enabling Technology for Distributed Big Data Analytics in Cloud-Edge Environment”, 2020-2025, Project Coordinator (PC), 7,640,000 HKD.
3. Postdoctoral Fellowships Scheme, “Human Tracking with Embedded Sensors on Collaborative Multiple Smart Devices”, 2020-2022, PI, 799,800 HKD.
4. Chinese National Engineering Research Centre (CNERC), “Data Analytics and Machine Learning Algorithms for Smart Transportation Systems”, 2020-2021, PI, 500,000 HKD.
5. RGC General Research Fund (GRF), “Proactive and Cooperative Resource Allocation in Wide-scale Edges”, 2020-2022, PI, 935,141 HKD.
6. Data Science & AI Lab, “The Enabling Technologies for Mutual Enhancement between Machine Learning and Communication at the Edge”, 2019-2021, PI, 363,000 HKD.
7. Consultancy Project with Esquel Enterprises Limited, “Bitmap Conversion for Label Artwork Patterning”, 2019-2020, PI, 156,000 HKD.
8. RGC Research Impact Fund (RIF), “Tackling Grand Challenges in Food Safety: A Big Data and IoT Enabled Approach”, 2019-2024, Co-PI, 7,748,000 HKD.
9. RGC Collaborative Research Fund (CRF), “Multi-stage Big Data Analytics for Complex Systems: Methodologies and Applications”, 2019-2022, Co-PI, 3,661,193 HKD.
10. Postdoctoral Fellowships Scheme, “Highly-Efficient Data Dissemination in Mobile Edge Computing Enabled Internet of Vehicles”, 2019-2021, PI, 771,000 HKD.
11. Collaborative Research with Huawei Technologies Co., Ltd., “Ethernet Transport Network Performance Simulation”, 2018-2019, PI, 771,150HKD.
12. NSFC (National Natural Science Foundation of China), General Research, “Edge Intelligence Oriented Resource Management and Deployment Optimization”, 2019-2022, PI, 640,000 RMB.
13. Collaborative Research with Guilin Medical Group, “MioTChain”, 2018 – 2019, PI, 1,000,270 HKD.
14. Ministry of Science and Technology (MoST) National Key Technologies R&D Programme on Big Data and Cloud Computing, “General-purpose Computer Technology and System for Graph-oriented Big Data Computing”, 2018-2021, Co-I, 47,000,000 CNY.
15. Ministry of Science and Technology (MoST) National Key Technologies R&D Programme on Big Data and Cloud Computing, “Human-Machine-Things Integrated Cloud Computing Architecture and Platform”, 2018-2021, Co-I, 25,000,000 CNY.
16. Shenzhen Basic Research Funding Scheme, “Task Scheduling of Multi-platform Computing Resources in Mobile Crowdsourcing Networks”, 2018-2019, PI, 300,000 CNY.
17. Hong Kong Innovation and Technology Fund (ITF), “Big Data-Driven Airport Resources Management (BigARM) Engine and Application Tools”, 2018-2019, Co-I, 6,500,000 HKD.
18. Collaborative Research with HK Interactive Lab Limited, “A Rating System for (Crypto-) Tokens on (Block-chain based) Platforms”, 2018-2020, Co-I, 1,500,000 HKD.

19. 上海市 2018 年度科技创新行动计划港澳台科技合作项目, “基于云雾混合模式的智慧城市大数据处理技术研究”, 2018-2021, Co-PI, 400,000 RMB.
20. NRC (Norwegian Research Council) INTPART (International Partnerships for Excellent Education and Research) Programme, “Transnational Partnership for Excellent Research and Education in Big Data and Emergency Management”, 2017-2020, Co-PI, 5,700,000 NOK.
21. PolyU Internal Competitive Research Grant (CRG), “Optimized Request Admissions in NFV-Enabled Software-Defined Networks”, 2017-2019, PI, 105,000 HKD.
22. PolyU Joint Supervision Scheme, “Bandwidth Guaranteed Virtual Network Function Placement on NUMA Machines”, 2017-2018, PI, 154,500 HKD.
23. PolyU COMP Start-up Fund, “Self-adaptive Platform for Big Spatial-Temporal Data Analytics”, 2016-2019, PI, 1,500,000 HKD.
24. JSPS (Japan Society for the Promotion of Science) Grant-in-Aid for Scientific Research, “A WiFi-based Survivor Tracking and Searching System for Disaster Environment”, 2016-2017, PI, 20,000,000 JPY.
25. MIC (Ministry of Internal Affairs and Communication) Strategic Information and Communications Research and Development Promotion Program (SCOPE), “Living Activity and Health Tracking in Smart Home using RF Reflection and Big Data”, PI (2016-2017), Co-PI (2017-2018), 35,000,000 JPY.
26. JST-NSF (Japan Science and Technology Agency and US National Science Foundation), Big Data for Disaster Management, “BDD: Dynamic Evolution of Smart-Phone Based Emergency Communications Network”, 2015-2017, Co-PI, 30,000,000 JPY.
27. JST SIP (Cross-ministerial Strategic Innovation Promotion Program) on Enhancement of Societal Resiliency against Natural Disasters, 2015 – 2017, Co-I, 25,000,000 JPY.
28. MIC (Ministry of Internal Affairs and Communication) Strategic Information and Communications Research and Development Promotion Program (SCOPE), “Research and Development of Demand-Addressable Sensor Network”, 2012-2014, Co-PI, 60,000,000 JPY.
29. Fukushima Revitalization Research Fund, “Development of a Resilient Information Management System Applicable under Network-isolated Environment”, 2013 – 2014, PI, 10,000,000 JPY.
30. JSPS Grant-in-Aid for Scientific Research, “On Reliable, Secure and Energy-Efficient Computing in Distributed Wireless Sensor Networks”, 2008-2010, PI, 5,000,000 JPY.
31. A3 Foresight Program funded by JSPS (Japan), NSFC (China) and NRF (Korea), 2012 – 2014, Co-I, 28,000,000 JPY.
32. NSFC (National Natural Science Foundation of China), General Research, “On Practical Network Coding Techniques for Wireless Networks”, 2014-2016, Co-PI, 800,000 RMB.
33. NSFC (National Natural Science Foundation of China), General Research, “On Environment-Aware, Service-Adaptive and Energy-Efficient Technologies in Mobile Cognitive and Cooperative Communications”, 2014-2016, Co-PI, 800,000 RMB.
34. Joint Research Fund of Olympus Corporation, “Context-Aware System Guaranteeing Quality of Service for a Wide Area”, 2011-2013, PI, 10,000,000 JPY.
35. Grant-in-Aid for JSPS Fellows, “Theory and Key Technologies of Large-scale Mobile Wireless Mesh Sensor Networks”, 2009-2011, Coordinator, 3,000,000 JPY.
36. University of Aizu Competitive Research Fund, 2008-2015, PI, 10,000,000 JPY.
37. Fukushima Revitalization Research Fund, “A Safe and Secure Situation-aware IoT System for Support of the Senior Citizen”, 2012, Co-PI, 3,000,000 JPY.

38. University of Aizu Multi-Lab Research Fund, "New Algorithms/Protocols of Internet of Things and Their Applications to Smart Home/Town for Elderly People", 2011, Co-PI, 3,000,000 JPY.
39. Joint Research Fund of Olympus Corporation, "New Models of Grid and Ubiquitous Computing for Image Processing", 2008-2010, PI, 10,000,000 JPY.
40. Professional Development Fund, University of Northern British Columbia, 2006, 2,000 CAD.
41. NSERC Postdoctoral Research Fund, University of British Columbia, Canada, 2006, 27,000 CAD.