State Key Laboratory of Internet of Things for Smart City

(University of Macau) ⎯ SKL-IoTSC (UM)

Open Research Project Application Form

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| **Application No.** | SKL-IoTSC/ORP/ /2023  [*to be filled in by SKL-IoTSC* (*UM*)] |
| **Project Title (English)** |  |
| **Project Title (Chinese)** |  |
| **Applicant Name** |  |
| **Applicant Organization (English and Chinese)** |  |
| **Address** |  |
| **E-mail** |  |
| **Mobile / Tel No.** |  |
| **Collaborator** | [The collaborator must be a full-time faculty member of the SKL-IoTSC (UM)]  *This application must be submitted to the collaborator listed here and can only be made upon his/her recommendation* |
| **Application Date** | [day/month]/2023 |

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**Application Guidelines**

1. **Financial support and project duration**

The maximum grant of each project shall not exceed MOP 80,000, and the duration of the approved project is up to 24 months.

1. **Eligibility**

The Call for Open Research Project (hereinafter referred to as “The Project”) is open to all international or national scientists and researchers working in universities, and other academic and R&D institutions, who must be holder of a doctorate’s degree or have been working in a position of assistant professor or above. Applicants are encouraged to carry out the research collaboration with members of SKL-IoTSC (UM).

1. **Funding management**

The released grant should be exclusively spent on The Project in accordance with the financial guidelines of the University of Macau.

1. **Data ownership**

During the execution of The Project, the generated intangible items include, but are not limited to, research records, relevant information, datasets, software, and evaluation reports, which would be jointly owned by both UM and PI organizations and are governed by the norms and regulations of UM.

1. **Final report**
2. The PI will be required to furnish a final report on all aspects of The Project including expenditure incurred on various approved items during the period, for the committee’s review.
3. On completion of The Project, the unspent balance shall be deposited into SKL-IoTSC (UM) account in Macao. The PI organization agrees to return any unexpended or uncommitted funds that remain at the end of The Project period.
4. **Knowledge sharing and management**
5. The research outputs and know-how generated from The Project would be the property owned jointly by UM (Party A) and PI organizations (Party B).
6. Intellectual Property (IP) that existed before The Project, will remain the exclusive property of the owner. Any commercialization of the original IP shall require a new prior informed consent in writing issued by the IP owner. The terms of such commercialization shall be subject to a separate mutual agreement between the involved parties.
7. During the execution of The Project, the generated scientific achievements, know-how, and intellectual property rights (together hereinafter referred to as the “The Knowledge”,) would be jointly owned by both parties. Any commercialization or utilization of The Knowledge shall require a new prior informed consent in writing from both parties. The terms of such commercialization shall be subject to a separate mutual agreement between the involved parties.
8. The research outputs and know-how generated from The Project would be utilized by both parties for teaching and education, and academic research in a form of gratuitous.
9. The PI is encouraged to publish high-quality research papers jointly with the collaborators of SKL-IoTSC (UM), apply for awards and patents, and accelerate knowledge transfer.
10. The acknowledgments for publications, awards, patents, and knowledge transfer shall be: The Open Research Project Programme of the State Key Laboratory of Internet of Things for Smart City (University of Macau) (Ref. No.: SKL-IoTSC(UM)-2024-2026/ORP/GAxx/2023).
11. **Other provisions**
12. The application, along with the applicant's curriculum vitae, should be sent via email to the designated collaborator. Upon receiving the collaborator's recommendation, the application will be submitted to the committee for review.
13. The subject of the email shall be: “SKL-IoTSC ORP 2023 + Applicant Name + University”.
14. For matters not addressed in this document, please contact SKL-IoTSC (UM) at Tel: +853 8822 4200; Email: [iotsc.enquiry@um.edu.mo](mailto:iotsc.enquiry@um.edu.mo).
15. This document is made in English and Chinese. In case of any discrepancy or inconsistency between the two versions, the Chinese version shall prevail.
16. The State Key Laboratory of Internet of Things for Smart City (University of Macau) reserves all rights for final explanation.

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| 1. **Summary** | | | | | | | |
| **Project Title (Chinese)** |  | | | | | | |
| **Project Title (English)** |  | | | | | | |
| **Project Category** | Fundamental Research  Applied Research | | | | | | |
| **Project cost** | MOP | | | **Duration** | | 24 months | |
| **Applicant Information** | **Name (Chinese)** | |  | **Name (English)** | |  | |
| **Date of Birth** | | [dd/mm/yyyy] | | **Gender** | F M | |
| **Highest Degree** |  | **Institution** |  | | **Conferred Year** |  |
| **Organization** | |  | | | | |
| **Job Title** |  | | **Faculty** | |  | |
| **Email** | |  | | **WeChat** |  | |
| **Team Members** | **Name** | **Degree** | **Organization** | | **Job Title** | **Role in the project** | |
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| **Previous collaborative work between the applicant and the collaborators of SKL-IoTSC, and the representative achievements relevant to this proposal** | | | | | | | |
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| 1. **Proposal abstract** | | |
| **Abstract in Chinese （to be limited to 250 words）** |  |
| **Abstract in English (to be limited to 400 words)** |  |
| 1. **Background** | | |
| 1. **Significance** 2. **Literature Review** | |

| 1. **Research Scheme** | |
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| 1. **Research Objective** 2. **Research Content** 3. **Research Methodology and Technology** 4. **Research Innovation** 5. **Key Scientific Problems to be Solved** 6. **Expected Research Schedule and Timelines** |

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| 1. **Expected Scientific Achievements** | | | | |
| (Any research deliverables, such as publications, models, software, prototype, patent application, etc.) | | | |
| 1. **Budget Details (MOP)** | | | | |
| **No** | **Expense Item** | **Amount** | **Basis and Justification for the Calculation** |
| **1** | Travel Expenses |  |  |
| **2** | Publication Fee |  |  |
| **3** | Consultancy Fee |  |  |
| **4** | Equipment Expenses |  |  |
| **5** | Labor Expenses |  |  |
| **Total Amount (MOP)** | |  |  |
| *Eligible costs*: personnel (research manpower) and indirect cost (management costs); minor research equipment and consumables; paper publication and national & international conferences; visiting scholar travel, etc. All costs must be eligible according to UM’s rule, within the allocated budget. | | | |

1. **Endorsement**

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| I hereby affirm that each item on this application form is filled out completely and accurately, to carry out The Project conscientiously and ensure the accomplishment of The Project in accordance with the regulations of SKL-IoTSC (UM) Management Methods for Open Research Projects. | |
| Applicant (Signature):  Date: |  |
| Comments of and Endorsement from Applicant Organization/Department: | |
| Head of the Organization/Department (Signature):  Stamp:  Date: |  |
| Comments of SKL-IoTSC Collaborator: | |
| Signature:  Date: |  |
| Comments of SKL-IoTSC ORP Review Committee: | |
| Chairman of the Committee (Signature):  Date: |  |
| Comments of the Director of SKL-IoTSC (UM):  **Recommend**  **Not Recommend** | |
| Director of SKL-IoTSC (Signature):  SKL-IoTSC Stamp:  Date: |  |

| **Annex Education and Professional Background of Applicant** | |
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| 1. **Educational Experience** (in reverse chronological order, beginning from the bachelor degree, list the names of supervisors as well) 2. **Research and Academic Experience** (in reverse chronological order, list the names of advisors for your postdoctoral studies) 3. **Research Projects and Talent Programs participated in recent three years** (in reverse chronological order) 4. **Representative Research achievements and Academic Awards in recent three years** (in reverse chronological order per each)    1. **Journal Paper**    2. **Conference Paper**    3. **Book**    4. **Paten**    5. **Keynote**    6. **Other Achievements** (in the format in which it was published)    7. **Academic Awards** |