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(UM)/ORPXX/2026  [*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]/2025 |

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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. Upon completion of the project, it is crucial that all allocated funding be fully utilized. Failure to do so may result in the non-issuance of the project closure certificate. In the case of any leftover balances, IOTSC reserves the right to manage them centrally.
4. **Knowledge sharing and management**
5. The intellectual property rights owned by each Party prior to the implementation of The Project shall remain vested in the respective Party and shall not be changed by joint development or participation in The Project. For any commercial use of existing intellectual property rights, discussions must be held with the owning party and a permission to use agreement must be signed.
6. The ownership of scientific and technological achievements and intellectual property rights jointly developed during The Project, shall be co-owned by completion Parties. The details shall be negotiated by the completion Parties and determined in writing according to each proposal through mutual negotiation. Any Party (including either Party in this Agreement) that intends to use the jointly developed scientific and technological achievements or intellectual property rights for commercial or industrial operation must obtain written confirmation about the ranking and distribution ratio from the completion Parties in advance. They must then discuss with the completion Parties (owners) of the scientific and technological achievements or intellectual property rights and sign an authorization contract before proceeding.
7. Details regarding patent applications, award applications, and other related matters shall be jointly negotiated and confirmed in writing by all Parties for each specific plan.
8. The scientific and technological achievements and intellectual property rights jointly developed during The Project by the Parties can be used free of charge for teaching and scientific purposes.
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 research outputs of this Open Research Project Programme are funded by the Science and Technology Development Fund (001/2024/SKL) and the State Key Laboratory of Internet of Things for Smart City (University of Macau) Open Research Project (Ref. No.: SKL-IoTSC(UM)/ORPXX/2026).

In Chinese: 本開放課題的研究成果由澳門特別行政區科學技術發展基金（001/2024/SKL）、智慧城市物聯網全國重點實驗室（澳門大學）開放課題（編號：SKL-IoTSC(UM)/ORPXX/2026）資助。

1. **Other provisions**
2. 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.
3. The subject of the email shall be: “SKL-IoTSC ORP 2026-2027 + Applicant Name + University”.
4. 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).
5. This document is made in English.
6. 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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| **Previous Open Research Project collaborative with SKL-IoTSC, and the representative research results** | | | | | | | |
| (Please provide previous Application No. of Open Research Project collaborative with SKL-IoTSC, achievements and budget execution report) | | | | | | | |

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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** |