**Appendix**

**“Wu Chuangyuan” International Photochemistry and Green Manufacturing Technology Innovation Competition**

**Application Form**

Project Name:

Project Leader:

Applicant (Sponsor) Entity:

**Guidance**

1. The contents of the application must be factually correct and accurately expressed. Please fill in all digits in Arabic numerals and dates in a numeric format, e.g., "202403".

2. The application form should adhere to the A4 paper format, with the text type in Imitation Arial 14. If space in any section is insufficient, please add extra pages as needed. The font and cell heights may be adjusted as needed based on the content, while ensuring completeness, logical layout, and aesthetic design.

3. The application form should be signed by the applicant before being submitted to the official competition website.

4. The project must strictly abide by laws and regulations and free from any harmful information. The applicant must have independent intellectual property rights or undisputed ownership in terms of inventions, patented technologies, or resources, etc. involved in the project. Any plagiarism, infringement, provision of false materials or violation of relevant laws and regulations will lead to cancellation of qualification for the project approval, and the applicant will bear all legal liabilities.

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| --- | --- | --- |
| **ProjectFields** | □ Photochemical Technology | □ Photochemical Synthesis  □ Photochemical Pollution Prevention and Carbon Reduction  □ Photonic and Electromagnetic Functional Material  □ Photochemistry Synthetic Biology  □ Artificial Intelligence in Photochemistry  □ Other Photochemical Technology |
| □Green Manufacturing Technology | □ Photochemical Green Manufacturing Technology  □ Electrochemical Green Manufacturing Technology  □ Thermochemical Green Manufacturing Technology  □ Other Green Manufacturing Technology |
| **Project Name** | |  |
| **Applicant (Sponsor) Entity** | | (If any) |

|  |  |  |  |
| --- | --- | --- | --- |
| **Team Leader of the Project** | | | |
| Name |  | Gender |  |
| Date of Birth |  | Title/Position |  |
| College |  | Graduation Date |  |
| Major |  | Highest Education/Degree |  |
| Telephone Number |  | E-mail |  |

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| --- | --- | --- | --- | --- | --- |
| **Core Team Members of the Project** | | | | | |
| Name | Position | Highest Education/Degree | School/  Major | Graduation Time | Contact Number |
| Member 1 |  |  |  |  |  |
| Member 2 |  |  |  |  |  |
| Member 3 |  |  |  |  |  |
| Member 4 |  |  |  |  |  |
| …… |  |  |  |  |  |

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| **Topic and Significance** | * Object and the existing technical challenges, functional deficiencies, or supply chain problems (i.e., pain points). * What technology or product to be innovated (including mainstream and key potential targets)? What are the overall results and technical level that the project is likely to achieve if implemented? * Describe main innovations and the impact they generate, providing clear identification for the pain points to which the proposed innovation is intended to solve. |
| **Application Scenarios** | Describe the application or service scenarios of the project and explain their importance in technology, industry, economic and social development, or national defense security systems. |
| **Key Target** | The overall target of the project  (*Describe the overall results, the anticipated impacts on basic research or transformation to applications, and the targets to be achieved at each stage*.) |
| **Technical Principle, Technical Route, and Current Progress** | * Technical principle   (*Provide a brief overall principle of the project; detailed elaboration on key scientific and technological issues to be solved and the research principles and main contents; highlighting pain points and original principles. The statement format may follow: By...to address/achieve..*.)   * Technical route   (*Draw the technology roadmap; explain logic and temporal relationship, research methods and steps of the main technical points of each key technology, goals achieved (objectives), and current progress, especially the most important technical part.*)   * Current progress in basic research or translational applications * Main shortcomings of the project   (*Provide a brief description of the gap between the current status and the technological and economic target requirements, maturity, stability, implementation difficulty, cost, application condition limitations, and other aspects.*) |
| **Intellectual Property and Conditions Required for Large-scale Production Applications** | * Background source of intellectual property and conditions of use * Foreground intellectual property ownership and conditions of use * Critical conditions (materials, equipment and special conditions) required for large-scale production and applications, as well as autonomous control, readiness, and coping strategies for missing conditions (if the project does not involve large-scale production, this section may be left blank). |
| **Implementation Plan and Expected Results** | * Briefly describe the phased planning (if necessary) to achieve the overall objective (plan for working out and implementation, and propose goals of each phase). * The project planned duration is year(s), with a total planned investment of yuan. * Proposed key tasks: major work to be completed based on current research progress, in order to solve pain points, improve deficiencies, and achieve major breakthroughs in the photochemical industry. * The expected overall results and forms, key achievements, milestones, levels, etc. * If the project involves commercialization and application, a description of the scheme is required. |
| **Key Risks** | Key risks and countermeasures. |
| **Declaration** | I certify that all the technical documentation and information which were provided in this application are true and accurate, and the project has independent intellectual property rights without disputes. There is no confidential information contained, nor plagiarism or infringement of the intellectual property rights of others. The data and arguments on economic and social benefits are realistic and authentic. In case of any violation of the above commitments, I, the applicant, shall bear all legal liabilities.  Signature of Project Leader:  Date: |