**Guidelines for 2017 Open Fund Project Application**

**Key Laboratory of** **Neutronics and RadiationSafety, CAS**



**Key Laboratory of Neutronics and Radiation Safety, Chinese Academy of Sciences**

**Institute of Nuclear Energy Safety Technology, CAS•FDS Team**

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The Key Laboratory of Neutronics and Radiation Safety, Chinese Academy of Sciences, hereinafter referred to as “the Laboratory”, was established in August 2014, and is supported by Institute of Nuclear Energy Safety Technology, CAS. The Laboratory Open Fund Project aims to initiate and foster the establishment of channels for high-level academic and research exchange between researchers of the Laboratory and the scientists at home and abroad. This will help broadening the research opportunities and promote the development of the Laboratory.

The following are the guidelines for the open fund project application procedure.

# Eligible Areas of Funding

The Open Fund invites applications for the following two priority sectors:

1) Validation of nuclear energy software

Validation of nuclear energy software includes the third-party independent evaluations for SuperMC (Super Monte Carlo Program for Nuclear and Radiation Simulation) based on experimental data, or international benchmark models.

2) Application of Nuclear energy software

Application of nuclear energy software includes the practical engineering application of SuperMC in nuclear research areas such as reactor physics, radiation shielding, medical physics and so on.

# Project application method

1. Applicants who do not have senior title of technical post or Ph.D. need to provide recommendation from two or more experts with senior title of technical post. Those who are being funded by this open fund can’t apply for new projects. The following persons will not be accepted as applicants:

- Graduated students (including on-the-job ones);  
- Retired scientific researchers;  
- Part-time scientific researchers;

The joint applicants are limited to staffs of Key Laboratory of Neutronics and Radiation Safety, CAS. If exist, their relevant information should be provided.

1. The 2017 Open Fund Project Application Form *(hereinafter referred to as the "Application")* must be filled out in accordance with the specified format. Please print and send three copies of the completed application form with the stamp of your institute to:

Dr. Xiang Ji

Institute of Nuclear Energy Safety Technology, CAS

No.350, Shushanhu Road, Hefei, Anhui, 230031, China

Tel.: +86 1891 960 2540

1. At the same time the applicants should submit the electronic version copy (no signature) to project@fds.org.cn by email. The Laboratory will begin to accept applications since September 20, 2017 and the deadline is 16:00 pm, October 30, 2017. The outcome of the approved applications will be announced on November 30, 2017. The summary report of approved projects should be submitted to the Laboratory before 16:00 pm November 30, 2018.

# Project evaluation approach

1. All applications must meet the following eligibility criteria outlined below:
   * Relevance: match to the priority sector;
   * Innovation: this can relate to any of the following aspects: theory, technology, and approach;
   * The project cannot proceed without the Open Fund’s financial support and a funding gap should be demonstrated;
   * Ability to scale up and/or replicate: the project has the potential to be rolled out to other sites and/ or to be implemented at a large scale.
2. The Laboratory secretary group will be responsible for the acceptance and the daily management of the funds. The application shall not be accepted in any of the following circumstances: (1) when the "Application Form" does not meet the requirements, and has incomplete application material; (2) "Application Form" does not comply with the scope of funding.

# Project implementation and management

1. The project execution cycle should not exceed two years in principle, starting from the date of signing the project contract.
2. The Laboratory secretary group will assist the director of the Laboratory to manage open research topics, the main responsibilities: (1) Sign the contract of the project; (2) Check the progress and quality of the project; (3) Acceptance check for the project.
3. After the mid-term of the project, the Applicant should submit the progress report. Within 1 month after the end of the project, the project leader should fill out the "Open Fund Project Summary Report", and report to the Laboratory.

# Use and management of funds

1. The Laboratory open fund is limited to the following aspects of expenditure:(1) Research expenses directly related to the project, including materials, processing, calculation, testing, analysis, etc. (2) Academic expenses, including academic papers, academic meetings, scientific inspection fees, etc.; (3) The cost of traveling and accommodation for the guest to work in the Laboratory;(4) Management fees (no more than 5% for each subject).
2. The fund for each open research project will be RMB 50,000 to RMB 1,00,000 which will be allocated twice after the approval by the director of the Laboratory. The first time will be allocated within one month after the signing of the project contract. This will cover 50% of the total amount. After the mid-term progress report, the Laboratory will decide the time and quota of the next appropriation according to the results of the progress assessment.

# Achievements Management

1. Project achievements include papers, monographs, software, databases, patents, and identification, award-winning, project promotion (transfer) or application and so on through project research.
2. Achievements attribution: The achievements of the funded project are attributed/credited to the Laboratory and the researchers.

# Others

1. All the applicants should comply with the relevant rules and regulations of the Laboratory.
2. The final interpretation authority of this guideline is the Key Laboratory of Neutronics and Radiation Safety, CAS.
3. The laboratory reserves the right to modify or change any of the content of the afore-stated guidelines at any stage without any prior intimation.