

# Tianyuan Fund for Mathematics

Tianyuan Fund for Mathematics is a special fund to integrate collective wisdom of mathematicians, explore funding method that suits the unique features of mathematics, and make China a strong country in mathematics. This fund supports researchers to conduct research according to the features and need of mathematics, foster young talents, promote academic exchange, optimize research environment, spread mathematical culture and thus strengthen creativity of China in mathematics. The fund mainly provides the following 6 types of funding in the year 2016.

## **1. Tianyuan Youth Grants**

The main objective of the Tianyuan Youth Grants is to encourage young people to devote to mathematical research and applications, and foster more mathematical talents. The qualifications for the applicants are as follows: the host institutions should be non-“985 Program” supported universities, and applicants should be under the age of 33 for males and 35 for females by January 1 of the year of application and hold PhD degrees for less than 3 years (please make sure to state the graduation time in the resume), and have not been PIs of NSFC’s project (excluding international or regional cooperative projects). Post-doctors working at the post-doctor stations are not qualified to apply for this grant. The funding for Tianyuan Youth Grant project is 30,000 to 50,000 per project for 1 year.

## **2. Mathematical summer schools and training workshops for young teachers**

The summer schools offer high quality core basic courses for mathematical postgraduate students and young teachers so as to consolidate their knowledge of mathematics. There are 3 types of summer schools in terms of theme, namely, basic mathematics, applied mathematics and statistics. One or two summer schools will be funded under each theme.

The training workshops are for young teachers in the western and northeastern regions of China for improve their capability in mathematical research and teaching. Training workshops will focus on two themes, one for teachers with mathematical major and the other for teachers with no mathematical backgrounds. Either of teachers training workshops may be organized in the west or the northeast, but the total number may not exceed two.

The training workshop is conducted in a contract-bonded way and the selection of host is decided by the Academic Steering Committee of the Tianyuan Fund in consultation with candidate institutions.

## **3. Special lectures on mathematics, high level workshops and important academic meetings**

Special lectures are organized for postgraduate students focusing on one or

several related themes so as to introduce frontier topics in mathematical research. Lasting for about 3 weeks, lectures may include basic and special courses with a large scale of audience. Special lectures will be financially supported through free application or through contract. Application should provide teaching outline, teaching contents and name list of the lecturers. Each special lecture will be funded with up to 200,000 yuan.

High level workshop programs mainly support research groups of high level and excellent middle aged and young mathematicians to sponsor workshops on clear topics and important international mathematical issues. The funding is up to 150,000 yuan per workshop.

Except for a few annual meetings of national academic societies, academic meetings will not be supported.

#### **4. Publication of mathematical books and development of information resources in network environment**

This funding mainly supports the import and introduction of excellent foreign monographs and text books of mathematics and mathematical information resources in network environment. The funding is provided by contract only and decided through consultation between the Academic Steering Committee of the Tianyuan Fund with relevant publishers or units in accordance with the needs of mathematical development.

#### **5. Mathematical culture, mathematical knowledge dissemination and mathematical education programs**

This category of funding provides support for the following 4 sub-types of activities.

(1) Publications: the publication of popular mathematical books, including domestic and translated foreign books, so as to raise the interest of primary and middle school students in learning mathematics and enhance the public understanding of mathematics. Applications should be proposed by book editors.

(2) Journals: the publication of national influential journal related mathematical culture, dissemination of mathematics, mathematical education and mathematical modeling, so as to improve journal's quality and impact on the public. Applications should be proposed by journal editors.

(3) Activities of mathematical dissemination: the import national activities of mathematical dissemination by universities, research institutes, science associations and mathematical society above provincial level. Applications should be proposed by organizers.

(4) Website of mathematical dissemination: the websites that disseminate mathematics and mathematical culture to the public. Fund is provided through contract by invitation.

#### **6. Seminar on problem driven by applied mathematical topics**

This category of program aims at building a platform for mathematicians to encourage and promote them to cooperate closely with actual users to develop applied mathematical workshops which are closely related to other areas, so as

to find out hidden mathematical problems, identify and foster research focus and growth points, enhance capabilities of mathematicians to conduct applied mathematical research according to major national needs, and encourage mathematicians to tackle national tasks.

The funding is given by contract for one year, which may be extended up to 4 years. The funding amount will be up to 200,000 yuan per year.

Timing and requirements: application for the Tianyuan Youth Grant is at the same time of application for the Young Scientists Fund program. Applications for other types of project may be submitted to the Department of Mathematical and Physical Sciences 3 months before the projects commence, but not later than December 31, 2016.