**The Belt and Road International Special Event Contest Announcement**

**---the 15th Challenge Cup National College Students’ Extracurricular Academic Science and Technology Works Contest**

As China’s economic center and international metropolis, Shanghai plays an indispensable role in connecting China with the rest of the world. Shanghai University, on the top agenda of key university construction in Shanghai, advocates the philosophy of “innovation, openness, coordination and guidance” in organizing and hosting the 15th Challenge Cup National Contest. To echo with the Belt and Road strategy and the Belt and Road Summit scheduled in May 2017, the Belt and Road International Special Event Contest is organized to highlight themes of “economy” and “technology”, and to awaken college students of countries along the belt and road to practical issues concerning the development along the route, providing an avenue for their wisdom in science & technology innovation, depicting the bright future of the Belt and Road initiative, thereby increasing the understanding of and support for the initiative, and strengthening the bonds between the people of different nations. The detailed plan is as follows:

**I. Theme**

More Connectivity. More Innovation.

**II. Organizing Committees**

Organizer: the Organizing Committee for the 15th Challenge Cup National College Students’ Extracurricular Academic Science and Technology Works Contest

Host: Shanghai University

**III. Qualified applicants**

1. The competition is open to full-time college students at home and abroad (except those for adult education) that officially register before June 1, 2017.

2. Competing teams need to be organized by colleges, and each college can send one team with 2-3 members and one supervisor for each team.

3. Members of the competing teams must be consistent throughout the competition and no members are allowed to change. Independent application from individuals or teams is not accepted.

**IV. Rules for Contest**

1. The contest includes the preliminary and the final. The preliminary is temporarily scheduled in July 2017 in the form of online works submission and review. The final is temporarily scheduled in mid- November 2017 in the form of on-site oral defense. Details will be notified later on.

2. Both Chinese and English can be used in the works submitted by competing teams for the preliminary, but English is the language for on-site oral defense in the final.

3. Works shall focus on the Belt and Road initiative, and competing teams are encouraged to include students of different majors across the world.

4. To be specific, the works for contest shall focus on the Belt and Road initiative, designing the plan and offering the technical solution to the practical issue in economic and technological development that confront the countries along the belt and road. All the works shall highlight economic cooperation and development, scientific & technological innovation and sharing (see appendix I ---lists of projects for reference).

**Economic development and cooperation**: On the basis of respecting state sovereignty and economic policies, research can be conducted on issues concerning how to realize the cooperation in cross-border trade regulation, how to achieve cross-border banking cooperation, how to regulate the cross-border capital investment, how to improve the efficiency and safety of cross-border capital circulation, how to increase the efficiency and safety of cross-border trade and how to advance the operation and regulation in cross-border free trade zones among the countries along the belt and road region, etc. The new-generation science & technology, information technology and financial instruments can be applied to investment regulation system, currency trading system, logistics & transportation system and cross-border financing modes, thereby providing the economic foundation for the infrastructure construction in the countries along the route.

**Scientific & technological innovation and sharing**: On the basis of respecting state sovereignty and intellectual property rights and with the development of the new-generation green technologies at the core, science and technology is highlighted in the ecological protection, environment treatment, energy development, transportation, medical aid, industrial production and people’s living conditions in the countries along the route. New science and technology is applied to improve the level of infrastructure, technology & culture, medical insurance, people’s living conditions and natural environment, thereby promoting the sustainable development of the countries along the route.

5. Works for the preliminary are submitted in the form of reports with no more than 3000 words. Meanwhile, please fill in Appendix 2 entitled the Return for the Belt and Road International Special Event Contest of the 15th Challenge Cup National Undergraduate Curricular Academic Science and Technology Contest on the designated website. Works for the final are submitted in the form of reports & PPT and can be supplemented by auxiliary works like animations, videos or drawings. All the works shall be free of disputes about IPRs.

6. Applicants at home and abroad can log in to the official website of the Challenge Cup contest, registering and submitting works on the page of the Belt and Road International Special Event contest**（http://www.tiaozhanbei.net/）**. All the works shall be submitted by 12pm on June 30, 2017.

**V. Contest Process Overview**

In April, the Organizing Committee issues documents including the competition notice and works application forms. Activities are involved in publicizing, mobilizing and organizing across colleges and universities.

From April to June, preliminary reviews of their respective works are conducted across colleges and universities and works for competition are submitted through designated channels.

In July, the preliminary will be launched. No on-site demonstration or oral defense will be organized in the preliminary; the Review Committee will review the works online and select several outstanding teams for the final. The official notice will be released for the final.

In November, the final will be launched. Each participating team will send one representative for the on-site demonstration and oral defense. The Review Committee will review the works and the awards for the competition include several grand prizes, first prizes, second prizes and a number of third prizes.

**VI. Others**

Shanghai University will cover all expenditure for one academic and one student, including accommodations, meals and transportations in Shanghai during the final.

Shanghai University will provide further assistant for VISA

Appendix I. Projects for Reference in the International Special Event Contest

Appendix II. Application Form of the 15th Challenge Cup National College Students’ Extracurricular Academic Science and Technology Works Contest

**The Organizing Committee for the 15th Challenge Cup**

 **National College Students’ Extracurricular**

**Academic Science and Technology Works Contest**

**11th April 2017**

**Appendix I**

**Projects for Reference in the International Special Event Contest**

**I. Economic development and cooperation**

Research on the International Banking Regulatory System;

Research on the Development of and Regulation over Currency, Insurance and Futures Markets;

Research on the Role of New-Type Development Banks in the Belt and Road Construction;

Research on the Regional Economic Integration along the Belt and Road;

Research on the Role of International Organizations in the Belt and Road Construction;

Research on the Role of Finance in Supporting the Belt and Road Construction;

Research on Developing the Financing Role of Private Capital in the Belt and Road Construction;

Research on How the Micro, Small and Medium-Sized Enterprises in the Countries along the Route Shall Seize the Opportunities from the Belt and Road Construction;

Research on the Transformation of Economic Growth Modes and Adjustment of Economic Structures in the Countries along the Belt and Road;

Research on the Survivability and Legality of the Micro, Small and Medium-Sized Enterprises in the Countries along the route;

Research on the Causes of Formation and Countermeasures for the Slums in Middle-Income Countries along the Belt and Road;

Research on the Free Flows of People in the Countries along the Belt and Road;

Research on How the Countries along the Belt and Road Shall Seize the Opportunity and Create International Brands;

Research on Industrial Transfer among the Countries along the Belt and Road – Based on the Sample Data in the Countries along the Route;

Interest Adjustment and Institutional Reform: Research on Integrating People of Different Countries into the Same Community;

Research on the Judging Approaches and Risk Prevention for Cross-Border Construction Disputes;

Research on the Development Paths for New Tech Enterprises during the Belt and Road Construction;

Research on the Degree of Recognition of Chinese Brands in the Home Country;

Research on the Localization of Chinese Enterprises during the Belt and Road Construction;

**II. Scientific & technological innovation and sharing**

Intelligent Scheduling Software for Cross-Border Military Equipment Manufacturing;

Prevention and Treatment of Cross-Border Infectious Diseases – Multinational Medical Prevention Linkage System;

Electronic Patrol in International Traffic Control;

The Intelligent Ask and Answer System in International Security Check;

Research on the Application of Electronic Noses to Cross-Border Food Transport Evaluation;

Satellite Searching and Tracking Controllers;

The Linked Detection System for Internet Behavior Security in the Countries along the Route;

Anti-Counterfeit Intelligent Facial Recognition System;

International Logistical Transport System;

Computer-Aided Holographic Diagnosis System;

Real-Time Decision-Making and Control System for Mine Fire Relief;

Downhole Photo electronic Imaging System;

New Methods for Self-Support Friction Stir Welding and Design of Welding Tools – Internationally Advanced Welding Methods Suitable for High-Speed Trains;

New-Type Clamping Micro-robot Diagnosis System for Gastrointestinal Tract with Efficient Wireless Energy Supply;

Research on How Optimized Enzyme Expression and Positioning Will Promote the Synthesis of Bacteria Fatty Acid;

Continuous Safe Production Techniques for Nitro guanidine as a Solid Propellant;

Research on DNA-Polysaccharide Nanoparticle--a New-Type Non-Viral Carrier for Stem Cell Gene Treatment;

Research on the Stabilization of Heavy Metal in Chemical Sludge Filler;

Fast Recording and Replay System for Complex Electromagnetic Signals;

Cooling System for Controlling Efficient Heat Exchange Technologies Based on Passive Vortex;

Rotary Unitized Beam Collapse-Proof Pushing Device;

Cylindrical Spur Gear Cold Closed-die Forging Technology Based on Floating Cavity dies and Cavity Shunt;

Security Check System for International Traffic Centers—Integrated Information Perception System;

Micro-Simulation Research on the Traffic Capacity of Roundabouts;

Emergency Evacuation and Rescue Command System Based on Laser Navigation;

Multipurpose Vehicles Meeting International Logistical Transport Demand;

Seeking Solutions to the Non-Linear Electronic Transport Issues about Sierpinski Networks with Genetic Algorithm;

Multinational Cooperation on Wind and Sand Control;

Automatic Precision Irrigation System.

**Appendix II**

**Application Form of The Belt and Road International Special Event Contest—the 15th Challenge Cup National College Students’ Extracurricular Academic Science and Technology Works Contest**

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| --- | --- | --- | --- | --- |
| Applicant information | Name |  | College, school and department |  |
| Educational background |  | Major and grade |  |
| Tel |  | E-mail |  |
| Project name |  |
| Project type | □ Economic development and Cooperation □ Scientific & technological innovation and sharing |
| Partner information | Name  | Gender  | College  | Major | Educational background |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Tutor information | Name  | Professional title | College  | Contact information |
|  |  |  |  |
| Basic information about project design (not more than 500 words) | Works:Design background:Design purpose:Basic Approach:Key technology: |
| Project creativity |  |
| Project application and prospects |  |
| Forms and benefits of the expected results |  |
| Specialist comment(Optional) |  |