



THE 7TH BRICS YOUNG SCIENTIST FORUM

August 29th - September 1st, 2022

Xiamen, Fujian Province, China

Hosted by: Department of International Cooperation, MOST, China

Xiamen Science and Technology Bureau

Organized by: China Science and Technology Exchange Center

Xiamen University

The 7th BRICS Young Scientist Forum

Overview

The idea of the BRICS Young Scientist Forum was adopted at the 2nd BRICS Science, Technology and Innovation(STI) Ministerial Meeting upon the proposal of India. The first forum was held in September 2016. During the 4th BRICS STI Ministerial Meeting in October 2016, members agreed to hold the forum on a rotation basis in the hosting country.

China, as the BRICS Chair Country for 2022, will host the 7th BRICS Young Scientists Forum from 29th August to 1st September in Xiamen. During the forum, an online platform will be published to show the scientific research achievements of young scientists and young innovators, promoting more people to understand the scientific and technological innovation of BRICS countries, and deepen scientific and technological innovation cooperation among BRICS countries.

The forum will provide a high-level academic and policy exchange platform for outstanding young scientists and scientific and technological talents from BRICS countries, promote exchanges and cooperation in the field of research and development, and create a BRICS intercultural talent pool for STI cooperation.

Theme

Inspire Youth Potential, Shape BRICS's Future

Thematic fields

Low-carbon technology

To address global climate change and achieve peak carbon neutrality requires a comprehensive green transformation of economic and social development, involving energy structure, industrial transportation and ecological improvement. Scientific and technological innovation urgently needs to play a leading and supporting role in this process. BRICS countries should strengthen scientific and technological cooperation, advance scientific and technological cooperation on global climate governance, and jointly promote sustainable prosperity of the world.

Biomedicine

As COVID-19 continues to drag on around the world, BRICS countries need to work together to tackle the pandemic, focus on vaccine cooperation, strengthen scientific cooperation on infectious diseases that pose a threat to public health, and enhance the prevention and control capacity of our five countries, so as to contribute BRICS strength to the global fight against the epidemic and make new contributions to international public health cooperation.

Artificial Intelligence

AI is becoming an important driving force of the new round of scientific and technological revolution and industrial transformation. Industrial artificial intelligence is the ultimate goal of the future industry, which will effectively solve the problems of manufacturing cost, efficiency, management, safety and so on. Big data is the energy source of AI. Only with good



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application of big data can the efficiency of artificial intelligence be better played. AI and related interdisciplinary scientific research and innovation breakthroughs are the joint efforts of academia and industry, and interdisciplinary research and application are advancing.

New material

Material is the basis for human survival and development, and is the basis for the next generation of technological revolution. Graphene has been one of the hottest research areas in the last decade, and bringing graphene and related materials out of the laboratory into society will create more technological innovations and breakthroughs. Bio-based materials are also one of the hot spots of new materials today. The world is implementing more and more strict "plastic ban". Bio-based materials known as "green, environmental protection, renewable and easy to degradation" will welcome a golden period of development.

Form

Considering the impact of COVID-19, the forum will be held online and offline simultaneously, participants from outside China will attend online.

Participants

1. Each BRICS country recommends 5 participants per topic (total 20 from each country).
2. Under 40 years old (born after Jan 1st, 1982).
3. Hold doctorates (or Engineers/Entrepreneurs with equivalent qualifications).
4. The intellectual property rights concerned are owned by participant or his/her team.

Timeline

1. The 7th BRICS YSF nomination form and nomination cover letter should be submitted no later than June 26th.
2. Any material including forms, pictures, videos related to the participants' scientific research achievements expecting to be presented on the website should be submitted no later than June 26th.

Contact

For details contact the following:

Ms. Liang Jing, Science & Technology Department, Xiamen University

E-mail: lj@xmu.edu.cn

Tel: +86-592-2180583

Ms. Li Wenjing, Ministry of Science & Technology, China

E-mail: 853134596@qq.com

Mr. Ma Yunfei, China Science and Technology Exchange Center, MOST, China

E-mail: cstec_dyc@163.com

Enclosures

1. The 7th BRICS YSF Nomination Form
2. The 7th BRICS YSF Nomination Cover Letter



THE 7TH BRICS YOUNG SCIENTIST FORUM

LOCAL NOMINATION FORM FOR [INSERT Country]

DUE DATE: June 26th, 2022

The 7th BRICS Young Scientist Forum

The 7th BRICS YSF Nomination Form

SECTION 1 OF 5 - Nominee Information	
BRICS Country:	
Last Name:	First Name:
Photo (image must be larger than 250*300 pixels):	
Date of Birth (day/month/year):	
Address:	
Telephone:	Email:
Title:	
Institution/Affiliation:	
Field of Research:	
SECTION 2 OF 5 - Nomination Statement (up to 300 words): Please describe how the nominee has demonstrated excellence in scientific research in the above fields and cooperation with scientists from other BRICS countries.	
SECTION 3 OF 5 - List of Peer Reviewed Scholarly Publications: Please list the nominee's peer reviewed publications (publication titles should be translated into English). Please continue onto separate page if necessary.	

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SECTION 4 OF 5 - Other Awards/Achievements/Contributions to market-led innovations: Please list below in English; please continue onto separate page if necessary.

SECTION 5 OF 5 - Pictures or short videos of relevant scientific research achievements: Unlimited number of pictures, but each picture should not be larger than 1M. Each video should not be larger than 1GB.

Note: Please submit all nomination documents before June 26th.



THE 5TH BRICS YOUNG INNOVATOR PRIZE

August 29th - August 31th, 2022
Xiamen, Fujian Province, China

Hosted by: Department of International Cooperation, MOST, China

Xiamen Science and Technology Bureau

Organized by: Torch High Technology Industry Development Center

Xiamen Science and Technology Exchange Center

The 5th BRICS Young Innovator Prize

Overview

The BRICS Young Innovator Prize is a platform for the implementation of the spirits of the *Memo of Understanding on BRICS Intergovernmental STI Cooperation* executed by the five BRICS countries and the Ministerial Meeting, and for BRICS young scientists and entrepreneurs to share their best practices in innovation and venturing. It provides support to the cooperation and exchange among BRICS STI talents. The Prize will be granted to the winners determined through innovation project contests among youths from BRICS countries. Totally four sessions of the Prize have been held successfully and it has become an important stage for BRICS youths to display their innovation talents and strengthen exchanges and cooperation. It plays a significant role in establishing quality partnerships.

The 5th BRICS Young Innovator Prize will be part of the 7th BRICS Young Scientist Forum which will be held from 29th August to 1st September in Xiamen, China.

Theme

Inspire Youth Potential, Shape BRICS's Future

Thematic fields

Low-carbon technology, Biomedicine, Artificial intelligence, Renewable energy, Modern agriculture.

Form

Considering the impact of COVID-19, the forum will be held online and offline simultaneously, participants from outside China will attend online.

Timeline

Project solicitation

No less than 2 projects are recommended for each BRICS country in each field, and no less than 10 projects in total. The recommendation deadline is June 26th, 2022.

1st round of evaluation

The 1st round of evaluation will be conducted by reviewing written documents of the candidates in July.

Final evaluation

The final evaluation will be held in August together with the Young Scientist Forum in a “field + video” format.

The 5th BRICS Young Innovator Prize

Project requirements

1. The project shall focus on the following 5 areas: Biomedicine, Low-carbon technology, Artificial intelligence, Renewable energy, Modern agriculture.
2. The project comes from universities, research institutes or enterprises.
3. The project must be innovative and has been transformed from scientific and technological achievements.
4. The project shall be in a phase of limited product testing, discontinuous production, certification, or preparation of the product for market.
5. The project shall not infringe upon the intellectual property of any third party and the IPR fruits (including patent, standard, thesis, etc.) must be owned by the project team members.

Participants requirements

1. The age of applicant must be under 40 years (born after January 1, 1982) and a citizen of any BRICS country.
2. Each applicant can only choose one project field for the awards.
3. The applicant must observe the laws and regulations of China and public orders and good practices of China and other BRICS countries.

Review rules

Format

1. The 1st round of evaluation will be conducted by reviewing written documents of the candidates in July. In principle, 4 projects in each field will be promoted to participate in the final. The specific number can be adjusted according to the practical situation.
2. The final will be held in the form of a "field + video" evaluation. The presentation of each project is limited to 10 minutes. The experts will score all the final projects which will then be ranked in the order of their score. The top 10 highest-scoring projects will be the award-winning projects and other projects will be the merit projects for the "BRICS Young Innovator Prize".

Jury

1. Establish a BRICS jury that composed of experts from universities, research institutes, enterprises, investment institutions and other relevant fields in BRICS countries.
2. Each BRICS country shall recommend at least 2 judges to the jury.

Awards

The awards include 1st prize, 2nd prize, 3rd prize and merit prize.

First Prize: 1 winner, who will receive prize money of USD 25,000 and a certificate of merit.

Second Prize: 2 winners, who will receive prize money of USD 15,000 and a certificate of merit.



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Third Prize: 3 winners, who will receive prize money of USD 10,000 and a certificate of merit.

The other projects of the final evaluation will receive a certificate of merit. The prize money and the certificate of merit will be granted during the award ceremony .

Application requirements

1. The applications shall be sent to **Ms. Zhang Min**(guoji1@ctp.gov.cn) before June 26th, 2022 with copy to Mr. MaYunfei (cstec_dyc@163.com) and Ms. Li Wenjing (853134596@qq.com).

2. The application documents must include:

Application form (completely filled, signed and dated).

Photocopy of ID card or passport.

Contact

For details contact the following:

Ms. Zhang Min, Torch High-Tech Industry Development Center of MOST

Tel: +86-010-88656186

Email: guoji1@ctp.gov.cn

Ms. Ye Tingting, Xiamen Science & Technology Exchange Center

Tel: +86-592-2529607

E-mail: yett@xmkjtt.com

Enclosure

The 5th BRICS Young Innovator Prize Application Form



THE 5TH BRICS YOUNG INNOVATOR PRIZE

**LOCAL NOMINATION FORM FOR
[INSERT Country]**

DUE DATE: June 26th, 2022

The 5th BRICS Young Innovator Prize

The 5th BRICS Young Innovator Prize Application Form

SECTION 1 OF 4 - Application Information	
BRICS Country:	
Last Name:	First Name:
Photo (image must be larger than 250*300 pixels):	
Date of Birth (day/month/year):	
Address:	
Telephone:	Email:
Title:	
Institution/Affiliation:	
Field of Research:	
SECTION 2 OF 4 - Project Description : It should include background, principle, progress, prospect, intellectual property status , etc.	
SECTION 3 OF 4 - Team Information : It should include information about team members, what the team has achieved, etc.	
SECTION 4 OF 4 - Signature	
Applicant:	
Project Team:	
Application Date:	

Note: Please submit all application documents to Ms. Zhang Min (guoji1@ctp.gov.cn) before June 26th, 2022.