



THE 7th BRICS YOUNG SCIENTIST FORUM

Announcement for inviting nominations for participation in
the 7th BRICS Young Scientist Forum

Date: August 29th - September 1st, 2022

Theme: Inspire Youth Potential, Shape BRICS's Future

Venue: Virtually

**Hosted by: Department of International Cooperation, MOST, China Xiamen
Science and Technology Bureau**
**Organized by: China Science and Technology Exchange Center Xiamen
University**

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 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.

Format

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

Eligibility

This call is open to early career researchers who are based in South Africa. Applicants should meet the following criteria to participate:

- South African citizenship or permanent resident status Be under the age of forty (40)
- Be a doctoral, post-doctoral candidate or a young scientist in possession of a PhD (or Engineers/Entrepreneurs with equivalent qualifications)
- Have research interests in the thematic areas listed Commit to be present for the duration of the conference Submit an abstract that will be the basis for a presentation at the conference
- The intellectual property rights concerned are owned by participant or his/her team.

Note: The applicants who have already participated in the previous editions of BRICS Young Scientist Conclaves are NOT eligible to apply. Candidates working in private companies are also NOT eligible to apply.

In addition to the abstract, submit a short motivation (1 page at most) as to why you should be chosen and what you will do with the skills, networks and experience gained at this event. The chosen young scientists' presenters should not simply focus on their research or thesis but should engage with the topic and answer its requirements. Presentations that provide possible recommendations are preferable. These should address challenges that are common to BRICS countries that need attention from the perspective of the young scientists. The meeting format is a Forum which is a discussion group, where ideas related to a subject 'under discussion' can be raised and evaluated on a (more-or-less) equal and informal basis. A newsletter reflection writeup for ASSAf will be required from each of the attending young scientists.

Forum Participation and Application

As a nominating partner, the Academy of Science of South Africa (ASSAf) in collaboration with the Department of Science and Innovation (DSI) invites the submission of nominations for participation under the outlined sub-themes. The attached ***nomination form, together with candidate's CV, short motivation as indicated above, and any material including forms, pictures, videos related to the participants' scientific research achievements should be completed and uploaded on this link*** – [Online Form and Uploads](#) by **Wednesday, 22 June 2022**. **There is no registration fee to attend the forum.** Further information about the forum and related logistics will be circulated to the successful applicants. Please note that emailed applications will **NOT** be considered.

Attachments

1. The 7th BRICS YSF Nomination Form

General Conference Information

For any further information on the forum please contact:

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