



Invitation Letter for 2022 Arc Cup International Welding Competition

I. Organization Structure

Hosts:

BRICS Business Council (BBC)

International Alliance of Skills Development (IASDBR)

*Belt & Road and BRICS Training Center for Skills Development and
Technology Innovation*

*Organizing Committee of Arc Cup International Welding Competition (OC
ARCIWC)*

Co-hosts:

China Association of Inventions (CAI)

*China Center for International People-to-People Exchange, Ministry of
Education*

China Welding Association (CWA)

China Staff Welding Technology Association (CWWTA)

Asian Welding Federation (AWF)



Organizers:

China Section of BRICS Business Council SDWG

Iron Man Academy Welding Training Center

Beijing ARC Xinxing Science & Technology Co., Ltd.

Co-organizers:

China Welding Association Surfacing & Additive Manufacturing Division

China Building Material Machinery Association Welding Technology Division

Supporting Organizations:

Zhongguancun Science Park Management Committee

Zhongguancun Science and Technology Park Haidian Management Committee

European Welding Federation (EWF)

II. Competition Projects

1. The Sixth International Welding Technology Competition

(New Welding Technology, Welding Equipment, Welding Material, Welding Process and Their Application Competition.)

Time: Oct.--Nov. 2022

Venue: Remote participation for international competitors by Zoom Meeting



2. The Ninth International Robot Welding Competition

(Welding Robots Programming, Operation and Maintenance)

Time: Oct.--Nov. 2022

Venue: Remote participation for international competitors

3. The Tenth International Welding Skills Competition

- (1) Shielded Metal Arc Welding (111/SMAW)
- (2) Gas Metal Arc Welding (135/GMAW)
- (3) Gas Tungsten Arc Welding (141/GTAW)
- (4) Oxygen Fuel Gas Welding (311/OFW)
- (5) Finished-product Welding (111, 135, 141, 136/FCAW)
- (6) Welding Competition for Non-regulated Projects (UT, Advanced welding equipment, Advanced welding technology performance, expert performance of special welding and cutting)

Time: Oct.--Nov. 2022

Venue: Remote participation for international competitors

III. Competitor Requirement

1. The Sixth International Welding Technology Competition

Undergraduates, higher vocational and secondary vocational students (including postgraduates); teachers from colleges and universities, and researchers from scientific research organizations; welding engineering technicians; welders and relevant management staff, etc.



2. The Ninth International Robot Welding Competition

Competitors should be qualified welding robot operators.

3. The Tenth International Welding Skills Competition

Welders with age between 18-35 years old.

Students over the age of 16.

4. Participation Teams

- (1) International Participation Teams participating in the competition by remote format
- (2) China state-owned enterprises
- (3) China vocational schools
- (4) Other China enterprises and organizations

Kind Reminding:

In principle, each competitor can only choose to participate in one competition project.

IV. Assessment Standards

1. Assessment Standards

International judges shall make assessment together to guarantee the fairness and justice of the refereeing activities according to international recognized standards and rules.

(1) The Sixth International Welding Technology Competition

This competition requires competitors to submit competition materials for expert assessment and make defense via online. Competitors should



submit materials by one of the following ways:

Papers and presentation PPT related to New Welding Technique/New Equipment/New Material/New Technology;

Drawings + project photos + process description related to New Welding Technique/New Equipment/New Material/New Technology and presentation PPT.

(2) The Ninth International Robot Welding Competition

This competition follows ISO9606 international standards and regulations.

(3) The Tenth International Welding Skills Competition

For this competition, Chinese and foreign judges shall make assessment together based on ISO9606 international standards and rules to guarantee the fairness and justice of the refereeing and assessment.

2. Ranking Method

(1) **Group Award:** This award is granted to teams according to total team scores. The total scores of each team are calculated by adding up the scores of each team's 3 best individual competitors in single competition project. The teams with less than 3 competitors cannot be ranked in Group Award.

(2) **Individual Award:** The best competitor in single competition project in each country (or delegation) can be ranked in Individual Award.

(3) **Young Competitors Award:** Young competitors under 25 (included)



years old can be ranked in the Young Competitor Award.

(4) **Student Competitors Award:** Student competitors of each school can be ranked in the Student Competitor Award.

V. Recognition and Awards

1. Group Awards

Group Awards are granted to teams. The teams will be honored with Cups or Certificates.

2. Individual Awards

2.1 For the Sixth International Welding Technology Competition, the First, the Second and the Third Prize will be awarded to individuals based on different groups, which may cover 60% of the competitors. And these winners will be awarded honor certificates.

2.2 The Tenth International Welding Skills Competition and the Ninth International Robot Welding Competition: There are totally eight individual competition projects according to different welding process. Each project has the First, Second and Third Prize. And the First Prize has the First Place, Second Place and Third Place. The First Prize winners will be awarded certificates, medals and prizes; The Second and Third Prize winners will be awarded certificates.

All competitors have the equal chance to win the certificate of “Excellent Welder Prize” of 2022 Arc Cup International Competition.



3. Young Competitors Award

Young competitors under 25 (included) years old can be ranked in the Young Competitor Award.

4. Student Competitors Award

Student competitors of each school can be ranked in the Student Competitor Award.

VI. Priority for International Participants

There are no any registration fees for international competitors.

VII. Application Method

Please fill in the attached electronic *2022 Arc Cup International Welding Competition Application Form* and email to the Secretariat by email address **jiakexinxing@126.com** or **jiakebj@gmail.com**.

The application deadline is September 30th, 2022.

Please **do not forget** to provide electronic photos (one inch electronic photo) for all the competitors and the scanned passport homepages of all participants.

VIII. Concurrent Activities

2022 International Seminar on Skills Development and Technology Innovation for Belt & Road and BRICS



IX. Contact Information

Secretariat of OC ARCIWC:

Contact Person:

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Attachments

Application form for 2022 Arc Cup International Welding Competition

**Organizing Committee of
Arc Cup International Welding Competition**

July, 2022