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# Arc Cup International Welding Competition

## Notice (Draft)

2018 Belt & Road and BRICS Skills Development and Technology Innovation Competition — Arc Cup International Welding Competition (hereafter referred to as 2018 Arc Cup Competition) will be co-hosted by BRICS Business Council (BRICS BC), International Institute of Welding (IIW), People's Government of Zhuzhou City, China Welding Association (CWA), Chinese Welding Society (CWS), Organizing Committee of Arc Cup International Welding Competition (OC ARCIWC) and International Alliance of Skills Development (IASDBR) from May to June, 2018 to establish an international professionals cooperation platform for skills development and technology innovation, promote the development of skills development and technology exchanges, and speed up the cultivation of welding skills professionals so as to enhance welding skills together. Hereby notify the related matters as follows:

### **I. Organization Structure**

#### **Policy Guiding Units (under examination and approval)**

Ministry of Foreign Affairs of the People's Republic of China (MOFA)

Ministry of Education of the People's Republic of China (MOE)

Ministry of Industry and Information Technology of the People's Republic of China (MIIT)



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State-owned Assets Supervision and Administration Commission of the State Council (SASAC)

**Hosts**

BRICS Business Council (BRICS BC)

International Institute of Welding (IIW)

China Welding Association (CWA)

Chinese Welding Society (CWS)

China Association of Inventions (CAI)

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

International Alliance of Skills Development (IASDBR)

**Organizers**

BRICS Business Council SDWG

People's Government of Zhuzhou City

Beijing ARC Xinxing Science & Technology Co., Ltd.

CNPC International Welding Training Centre

**Co-organizers**

ZhuZhou Education Investment Group

Hunan Zigo Welding Technology Training CO., LTD.

Surfacing & AM Committee of China Welding Association

Germany GSI SLV



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## Supporters

Administration Committee of Zhongguancun Science Park

Administration Committee of Zhongguancun Haidian Science Park

Asian Welding Federation (AWF)

European Welding Federation (EWF)

Strategic Alliance of Technology Innovation of National Welding Industry

National Tech-innovation Strategy Alliance for Additive Manufacturing and Remanufacturing Industry

## II. Competition Projects and Competition Time

**1. Second International Welding Technology Competition** (New Welding Technology, Welding Equipment, Welding Material, Welding Process and Their Application Competition)

**Time: June 6<sup>th</sup>-10<sup>th</sup>, 2018; Place: Zhuzhou City, Hunan Province**

**2. Fifth International Robot Welding Competition** (Welding Robots Programming and Operation Competition)

**Time: May 8<sup>th</sup>-11<sup>th</sup>, 2018 (23<sup>rd</sup> Beijing Essen Welding & Cutting Fair)**

**Place: 23<sup>rd</sup> Beijing Essen Welding & Cutting Fair (GD Modern International Exhibition Centre (Dongguan City))**



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### **3. Sixth International Welding Skills Competition**

**Time: June 6<sup>th</sup>-10<sup>th</sup>, 2018; Place: Zhuzhou City, Hunan Province**

- 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  
(111SMAW/141GTAW/135GMAW/136FCAW)
- 6) Welding Competition for Non-regulated Projects (Welding quality detection, Advanced welding equipment, Advanced welding skill performance and Special welding skills performance)

### **III. Competition Participants and Conditions**

#### **1. Second International Welding Technology Competition**

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

#### **2. Fifth International Robot Welding Competition**

Welding Robots Programming and Operation Competition: Welding robots operators.

3. Sixth International Welding Skills Competition: Welders with ages among 18-35 years old; Students over the age of 16.



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#### 4. Participation Teams

##### 1) Foreign Participation Teams

Intentional Participating Countries: Singapore, Kazakhstan, Vietnam, Portugal, Ukraine, Cameroon, Pakistan, Ghana, Indonesia, India, Malaysia, Zambia, Korea, Thailand, UK, Czech Republic, Mongolia, Belarus, Russia, Swiss, Austria, Germany, South Africa, Serbia and Cambodia, etc.

2) Relevant participation teams of China state-owned enterprises.

3) Relevant participation teams of China schools.

4) Participation teams of other China enterprises and units.

### **IV. Assessment Standards & Ranking Method**

#### 1. Assessment Standards

Domestic and foreign judges make the assessment together based on international recognized standards and rules to guarantee the fairness, justice and international standards of the refereeing activities.

##### 1) Second International Welding Technology Competition

This competition adopts the method of competitors submitting competition materials for expert assessment + on-site defense. Competitors should submit materials by one of the following ways:

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



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

2) Fifth International Robot Welding Competition

Welding Robots Programming and Operation Competition

Implementation of ISO 9606 international standards and regulations.

3) Sixth International Welding Skills Competition

Domestic and foreign judges make the assessment together based on ISO9606 international standards and rules to guarantee the fairness, justice and international standards of the refereeing activities.

2. Ranking Method

1) Group Award: General Team Classification is calculated in unit of delegation team. Select the 3 best individual participants in single competition for group award calculation. The delegation with less than 3 participants cannot be ranked in Group Award.

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

3) Young Participant Award: Young participant less than 25 (included) years old can be ranked in the Young Participant Award.

4) Student Participant Award: Student participants of each school can be ranked in the Student Participant Award.



## **V. Recognition and Awards**

### **1. Group Awards**

Group Awards are calculated in unit of delegation team. Group winners will be honored with Golden, Silver and Bronze Cups and Certificates.

### **2. Individual Awards**

1) Second International Welding Technology Competition is judged by group; each competition group is set the First, the Second and the Third Grade Prize, which may cover 60% of the competitors. And these winners will be awarded honor certificates.

2) Sixth International Welding Skills Competition and Fifth International Robot Welding Competition: There are seven individual competition projects according to process. Each project is set the First, Second and Third Grade Prize. And the First Grade Prize is set the First Place, Second Place and Third Place. Winners in the First Place, Second Place and Third Place will be honored Certificates, Medals and Prizes; Winners in the Second and Third Grade Prize will be honored Certificates.

3) All competitors have the equal chance to win the “Excellent Welder Prizes” certificates of 2018 Arc Cup International Competition.

4) Honor certificates are signed with IIW logo.



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## **VI. Priority Policy for International Competitors**

1. Registration Fees can be waived for international competitors who submit their application forms before March 15<sup>th</sup>, 2018.
2. “National Winner” who won the First Place once in their national welding competition will be given reimbursement for one round-trip flight ticket and be provided with free accommodation by the Organizing Committee during the competition. The number of the National Winner in the First Place who can enjoy this priority is no more than 1.
3. Top three winners in their national welding competition will be provided with free accommodation by the Organizing Committee during the competition. The number of the competitors in a country who can enjoy the above two priorities is no more than 4.
4. One team leader in a country can enjoy free accommodation during competition.

## **VII. Application Method**

For all participation units, please email the 2018 Arc Cup International Welding Competition Application Form and 1-inch electronic photo to the secretariat of OC ARCIWC by March 31<sup>st</sup>, 2018 by email [jiakexinxing@126.com](mailto:jiakexinxing@126.com) or [jiakebj@gmail.com](mailto:jiakebj@gmail.com), and pay the corresponding fees by bank transfer to the following account by March 31<sup>st</sup>, 2018 (Only US dollar is available and the spot exchange rate will be adopted).





Organization Name:

ARC XIN XING (GERMANY) CO., LIMITED

Address:

The Fundamental Industrial Training Center of Tsinghua University,  
Chengfu Street, Beijing, China

Bank Name:

China Merchants Bank, Head Office, Shenzhen, P. R. China

Bank Address:

19/F., China Merchants Bank Tower, No. 7088 Shennan Boulevard,  
Shenzhen, P. R. China

Swift Code: CMBCCNBS      Account: OSA755916947532708 (\$)

### **VIII. Contact Information**

Secretariat of OC ARCIWC:

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Organizing Committee of BRICS Skills  
Development & Technology Innovation  
Competition

February, 2018



Organizing Committee of Arc Cup  
International Welding Competition

February, 2018



International Alliance of Skills Development

February, 2018

