



2020 I3DC Competition Rules and Guidance Division II - University Students

1. The Competition

2020 International 3D Printing & Design Competition (2020 I3DC)

2. The Competition Organizer

National Innovation Institute of Additive Manufacturing (NIIAM), China
University Alliance of the Silk Road (UASR), China
Université de Technologie de Belfort Montbéliard (UTBM), France

3. The Competition Theme

Theme:

Cultural Creative Design with 3D Printing

Requirement:

The work must be original, not the representation of an existing product or article, and must fully demonstrate creativity.

The competition entry may be a design of a recreated and brand new product or model with culture element, integrating multi-culture and using different carriers, the design should reflect the advantages of 3D printing technology and can be built physically through 3D printing technology with certain functionality and artistry. Please be noted that the first international qualification round competition does not require the build of its physical objects.

There are no limitations on dimension, materials, and processes.

4. Competition Dates

The opening date of the Competition: 4th February 2020

The deadline for registration: 5th June 2020

The deadline for entry submission: 12th June 2020

The first qualification round for international teams outside of the mainland China: 16th - 18th June 2020, Université de Technologie de Belfort Montbéliard, Belfort, France

The announcement of the first qualification round winner: 1st August 2020

The final competition: 23rd to 25th September 2020, Xi'an, China

5. Territory and Eligibility

The Competition can be entered by an individual or a team. The maximum team size is 3 members. An instructor is optional.

The Competition is open to individuals of any nationality who meet all the criteria below:

- A registered student, enrolled in an undergraduate or postgraduate course (of any subject) at a university or higher education institute
- Be able to speak English
- Available to travel to and from the China on any date between 23rd to 25th September 2020 (in case the competition is entered by a team, minimum 1 team member required)

6. How to Enter

The Competition will be promoted through the NIIAM website:

www.niiam.com/news/i3dc

For registration, please send the 2020 I3DC Registration Form to I3DC@NIIAM.CN. Participants are responsible for ensuring the form is completed fully and correctly.

To help us identify your work, please use “**2020I3DC TeamName TeamLeaderLastName**” as your email subject line. Please ensure your entry includes:

- 1) 3D modeling file (STL format)
- 2) Design specification with PPT file (in English), no more than 20 pages; Video (simulation analysis, Schematic diagram of mechanism movement, etc.) & associated documents that may help to demonstrate your work (Optional).
- 3) Registration form and declaration of Intellectual property (For more details ,please refer to Annexe II)
- 4) Pictures of actual works or models (not mandatory)

* The Competition Organizer recommends the participants use Altair Solid Thinking Inspire Software products and follow up the training online.

7. Fees

Entry to the Competition is free of charge.

8. Prizes

For international teams outside of the mainland China attending the first qualification round on 16th to 18th June 2020 at UTBM, France:

- Visit of UTBM AM platform
- Free attendance of ESEAM events
- Catering from 16th to 18th June 2020
- Free entrance to Peugeot Museum

After first qualification round, 10 international teams will be selected and invited to attend the final competition 23rd to 25th September 2020 in Xi'an China. For the first qualification round winners attending the final competition, the prizes include:

- Return travel from Xi'an Xianyang International Airport to the hotel and local transportation from the hotel to the venue
- Accommodation from 22nd to 25th September 2020 in Xi'an
- Catering on 22nd to 25th September 2020 in Xi'an
- A guided tour of the National Innovation Institute of Additive Manufacturing (NIIAM), Xi'an, China
- Free attendance to 2020 International Additive Manufacturing Expo (2020 IAME) held in Xi'an on 23rd to 25th September 2020 at the same venue
- Workshop for I3DC University students (date to be confirmed)

Winners are responsible for all other costs, including international flight tickets to and from Xi'an, cost of visa application, travel insurance, etc. if applicable.

The prizes for Final Competition are as follows:

- **Gold Prize:** 1 team, Certificate & 10,000 RMB Cash Award
- **Silver Prize:** 2 teams, Certificate & 6,000 RMB Cash Award
- **Bronze Prize:** 4 teams, Certificate & 4,000 RMB Cash Award
- **Most Potential Award:** 3 teams, Certificate & 2,000 RMB Cash Award
- **Best Culture Fusion Award:** 3 teams, Certificate & 2,000 RMB Cash Award

The Competition Organizer accepts no responsibility for failure to notify winning participants or failure to deliver prizes where such failure results from the provision of inaccurate contact details by the participants or from the acts or omissions of any third party (including, without limitation, any internet or postal service provider) and shall have no liability to any entrant if it is prevented from or delayed in delivering any aspect of the Competition or the prizes by acts, events, omissions or accidents beyond its reasonable control.

9. Selection of Entries

For University Students Division, ten (10) winning teams will be selected in the first qualification round for international teams outside of the mainland China. The date of the first qualification round for Chinese teams will be announced later.

The entries will be judged by a panel of judges appointed by the Competition Organizer, who will select winning teams based on the following criteria:

- **Creativity (35%):** The work is original and creative. It does not copy ideas from any other existing work. It integrates cultural elements as well as demonstrates certain artistry.
- **Technology (25%):** The work demonstrates a highly sophisticated project. It is designed effectively to take advantage of the 3D concept and 3D printing technology.
- **Practicability (20%):** The work is practical and could be used to solve practical problems.

- **Functionality (10%):** The work must be complete. It can fully reflect the design concept and function well.
- **Presentation (5%):** For the competitors who are able to travel to UTBM France between 16th to 18th June, 2020, they need to demonstrate the work to the judges. During the demonstration, they should express their idea clearly and organize the contents logically. After the demonstration, the judges may ask questions and the competitors may do an oral defense. For the competitors who are not able to travel to UTBM France between 16th to 18th June, your works will be scored according to PPT and video (if any) .
- **Aesthetics (5%):** The work should have a reasonable structure, harmonious colors and a beautiful appearance

All decision of the panel will be final and binding in all respects. No correspondence will be entered into with the unsuccessful participants.

10. Selection of Final Award Winners

At the final competition, there will be 20 teams including 10 Chinese teams and 10 international teams. The final competition entries will be judged by a panel of international judges appointed by the Competition Organizer based on the following criteria:

- **Creativity (35%):** The work is original and creative. It does not copy ideas from any other existing work. It integrates cultural elements as well as demonstrates certain artistry.
- **Technology (25%):** The work demonstrates a highly sophisticated project. It is designed effectively to take advantage of the 3D concept and 3D printing technology.
- **Functionality (15%):** The work must be complete. It can fully reflect the design concept and function well.
- **Aesthetics (15%):** The work should have a reasonable structure, harmonious colors and a beautiful appearance.
- **Presentation (10%):** The competitors need to demonstrate their work to the judges. During the demonstration, they should express their idea clearly and organize the contents logically. After the demonstration, the judges may ask questions and the competitors may do an oral defense.

At the final competition, the finalists should arrive at Xi'an and bring the printed design works to demonstrate.

The Competition organizer can provide printing assistance for participant's work if required (Maximum size: **300mm (L) *300mm (W) *300mm (H)**) in resin. If your work exceeds this size or is produced in other materials, please print it by yourself.

11. Visas/Invitation Letters

Entry winning participants are responsible for identifying and securing any documentation which is required by law for them to travel to/from China. This includes, but is not limited to

- Determining if they require a visa or permit to enter China

- Meeting the eligibility criteria for these documents
- Completing the relevant application in good time, providing all the required documents
- Attending an interview if required

The Competition Organizer accepts no responsibility for participants' failure to secure the appropriate travel documents. If a winning participant is unable to travel to China because their visa and/or travel permit application has been declined, no alternative prize will be offered and the Competition Organizer reserves the right to award the relevant prize to another Competition participant. The Competition Organizer will not be liable for any additional costs incurred by the participant.

The Competition Organizer will issue Letters of Invitation to entry winning participants who require a visa to enter China. The Competition Organizer cannot offer support or advice regarding visa applications, and has no influence on the outcome of a visa application.

12. Travel Insurance

The Competition Organizer does not provide travel insurance. The entry winning participants should take out Personal Accident Travel insurance for their time overseas.

The entry winning participants should remember to save the emergency contact number for their travel insurance to their mobile phone, keep a copy of the insurance policy in a safe place and give their insurance policy number and the emergency contact number to their next of kin.

13. Photographs, Filming and Recordings

The Competition Organizer may photograph, video, film or record proceedings and attendees (including the winning participants) during the Competition.

The Competition Organizer may use such photographs, videos, films or recordings for the purposes of producing Competition materials (including transcripts, reports or summaries) which may be published or distributed in hard or soft copy or online or marketing or for the purposes of advertising future competitions or events or publishing the work and activities of the Competition Organizer (whether by means of promotional and publicity materials or programmes, publications, websites, electronic publications, social media or other means) without any payment or compensation being offered and without any request being made to the featured parties and the winning participant hereby consents to any such media being used anywhere in the world by, or on behalf of, the Competition Organizer.

14. General

The Competition Organizer may disqualify or refuse to accept the entry of any participant which does not meet the eligibility criteria in section 5 or does not otherwise comply with these Competition Rules.

These Competition Rules shall be governed by and interpreted in accordance with the law of People's Republic of China and the courts of People's Republic of China shall have exclusive jurisdiction over any disputes or claims (including, without limitation, non-contractual disputes or claims) arising out of or in connection with the Competition.