



2021 I3IEC Competition Rules and Guidance

I. The Competition

International 3D Printing Innovation and Entrepreneurship Competition (I3IEC)

II. 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

III. The Competition Theme

1. Theme: Creative Design and Innovative Applications with 3D printing.

Divided into three different competitions, Creative Design Competition, Innovative Application Competition and National Entrepreneurship Competition of Magic Note M2 Upgrade Challenge.

1) Creative Design Competition:

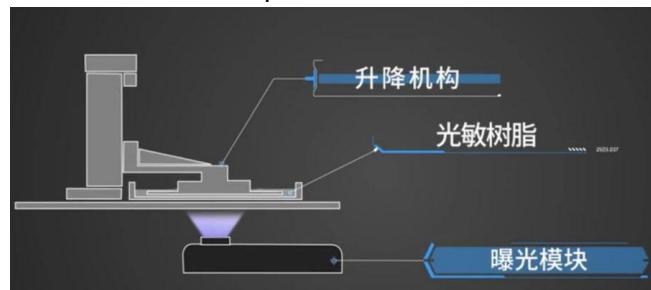
Open and independent proposition; design direction includes but is not limited to art and cultural design, home design, urban architectural design, industrial design/product design, mechanical design, etc. Based on additive manufacturing technology. Entries must be original projects specially created for this Competition, without intellectual property right disputes with school research projects or other competitions.

2) Innovative Application Competition:

Entrepreneurship project; project areas include but not limited to additive manufacturing, high-end equipment, new materials and new energy, biomedical, aerospace, automobiles, etc.

3) National Entrepreneurship Competition of Magic Note M2 Challenge:

Proposition competition, upgrade the design of DLP 3D printer. Having the Magic Note M2 3D printer as the background, the participants make innovative design in terms of printer appearance, automatic replenishing device, computer platform development, automatic leveling function of the molding plate, etc. according to the Magic Note M2 rapid prototyping technology and technological principles, and finally submit the innovative product design project as a functional, operational and commercial product.



Above is the DLP 3D Printer prototype (source: Baidu.com)

2. Target participants

1) Creative Design Competition:

Open for everyone, no restriction.

2) Innovative Application Competition:

Solicit the entrepreneurial projects from domestic and foreign college students (including undergraduates, postgraduates and doctoral students), start-ups or teams.

3) National Entrepreneurship Competition of Magic Note M2 Upgrade Challenge:

Solicit the projects from the top three participants of the previous Competitions. Note: The Creative Design Proposition Competition for students of vocational education institutions, the schedule of the Competition is being drafted and will be released later, so stay tuned.

IV. The Competition Rules and Procedures

1. The International Additive Manufacturing Innovation and Entrepreneurship Competition

1) Creative Design Competition Date:

2021 January to November, 18-20

2) Innovative Application Competition Date:

2021 January to August

3) National Entrepreneurship Competition of Magic Note M2 Upgrade Challenge Date:

2021 January to November, 18-20

2. WorkShop Event

On November 18, 2021. Invite all participating students join a seminar. The theme of the seminar will be released later.

3. The Project Showcase

On November 18-20, 2021. There will be a three-day showcase about the outstanding projects, the projects will be physical items or design models.

V. Registration of the Competition

1. Creative Design Competition

1) Registration: The registration platform will be opened on January 25, 2021. **International teams, please visit the English website “<http://www.niiam.com/news/i3dc/258>” to get and download the registration method and schedule file.**

2) Preliminary competition project submission: From January 25, 2021 to August 22, 24:00, online submission of registration forms and project files, and the projects shall be submitted in a compressed file and emailed to I3DC@niiam.cn

Item	Content	Requirement
Registration Form	Registration Form	Word format file
	Intellectual Property Right Protection Commitment	A scanned copy of the documents signed by the participants (in case of a team contestant, it must be signed by each contestant in the team).
Project File	Project design specification	PPT version.
	Project video	mp4 format, no more than 2min; simulation analysis, product display

		animation and other related demonstration videos.
	Photos of actual projects or models	jpeg format, 3-5 pieces, no more than 10M/piece; multiple angles.
	3D modeling files	Source files and STL format files.

3) Final Competition and Award Ceremony: September 10-November 15, 2021, the final competition projects will be submitted online according to the final competition theme and project requirements, and the schedule of the final competition will be announced on September 10. On November 18-20, 2021. The projects will be exhibited, defended, and awards will be presented.

2. Innovative Application Competition

1) Registration: The registration platform will be opened on March 1, 2021, and the project information shall be sent to **I3DC@niiam.cn** International teams, please visit the English website “<http://www.niiam.com/news/>” for schedule instructions.

2) Project preliminary selection: July 13, 2021, the Organizing Committee will organize the judges to conduct the preliminary selection based on the project information submitted by the participating team.

3) Preliminary competition: On August 5, 2021, a project roadshow will be held in Xi’an.

4) Final Competition and Award Ceremony: November 18-20, 2021, a presentation for the final competition will be held in Xi’an.

3. National Entrepreneurship Competition of Magic Note M2 Upgrade Challenge

1) Registration and submission of projects:

The registration platform will be opened on January 25, 2021. Go to Website “www.niiam.com”, click “**News & Event**” in the navigation bar to enter the competition news page “**I3DC**”, download and fill in “Registration Form”; from January 25th to June 14th, 24 o’clock, the Registration Form and preliminary competition compressed files shall be emailed to **I3DC@niiam.cn**

2) Project submittal:

Item	Content	Requirement
Registration Form	Registration Form and Organizer Statement	A scanned copy of the documents signed by the participants (in case of a team contestant, it must be signed by each contestant in the team).
Project File	3D model of design structure	stp or x_t format
	Design principal description	Including product feasibility analysis, equipment printing stability analysis, etc., Word format

3) Final Competition and Award Ceremony: The schedule of the final competition will be announced on June 28th, and from June 28th to November 15th, 2021, the participants will prepare the projects according to the theme of the final competition and project requirements. On November 18-20, 2021, product demonstrations, presentation, and awards will be held at the site.

VI. Judge Method

1. The projects of the preliminary competition will be selected by the Organizing Committee in accordance with the criteria such as deadline, completeness of projects, project and theme compatibility, and qualified projects will enter the review process. The preliminary competition review adopts the method of scoring by experts, and it is planned to invite 7 experts (including technical experts, executives of famous companies, investment and financing experts) to grade the projects. The scoring is based on a percentage system, accurate to two decimal places, and the average of the scores of the 7 review experts is the final score of the work. According to the scores of the works, 20-25 projects will be selected to enter the final competition.
2. The results of the final competition will be determined by the experts at the site by scoring. In principle, 9 experts will be selected from each field of competition to score the project. The scoring is based on a percentage system, accurate to two decimal places, and the average of the scores of 9 review experts is the final score of the work. The first, second and third places of the competition are determined according to the scores of the works.

Note: In case of the same score from different participants during the Competition which affects the promotion ranking, the experts will discuss the ranking position on the site.

VII. Awards Setting

1. Top three awards

Award name	Quantity	Prize
First place	1 Projects	Certificate and prizes or cash awards worth RMB10,000
Second place	2 Projects	Certificate and prizes or cash awards worth RMB6000
Third place	4 Projects	Certificate and prizes or cash prizes worth RMB4000

2. Award-winning project or project team members have the opportunity to get the internship invitation from the National Additive Manufacturing Innovation Cluster.
3. Title of Excellent Instructor
The instructor of the first prize-winning team will be awarded the title of “Excellent Instructor” with an honorary certificate.

VIII. Intellectual Property Right Agreement

In order to effectively protect the intellectual property rights of the participating teams or individuals, the participating teams or individuals shall undertake to own the intellectual property rights of the entries (including but not limited to ideas, documents, source files, pictures, videos, etc.). The “Registration Form” shall be submitted together with the “Intellectual Property Right Protection Commitment” by the participating team. The receipt of these two types of documents by the Organizing Committee shall be deemed as successful registration. Otherwise, the absence of any type of documents shall be deemed as unsuccessful registration; The Organizing Committee reserves the right to display, publicize, and promote the entries, and the Organizing Committee undertakes to discuss with the participating teams or individuals for other commercial uses of the entries.

IX. Fees

Participation in the Competition is free of charge. The transportation, accommodation, and catering expenses incurred during the final competition shall be borne by the participating teams.

X. 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.

XI. 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.

XII. 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 programmers, 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.

XIII. 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.

XIV. Contact Information

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