



CARBONFIBER
DESIGN
C O N T E S T

Designs with genius: get creative with
multi-material & polychromatic 3D printing

Notice of Competition

Olympus® & Brigante Engineering, companies specialized in composite materials, carbon fibers and new technologies for engineering and architecture, **AD3D Printing**, the Arch. **Simonetta Pegorari**, **Communication&Marketing - Composite Materials**, **Tepeco srl** and **CMC Composite Materials Center** launches the:

CARBON FIBER DESIGN CONTEST 2017 with the participation of **Stratasys GmbH**

This international competition, now in its **fifth edition**, aims to raise awareness of creatives, designers and architects, in an innovative use of carbon fiber associated with the modern technology of additive manufacturing.

Theme of this edition

Planning in color with the largest 3D polychromatic and multi-material printer. Creativity is immediate feedback with realistic colors and materials that make obsolete the uncertainty.

1. SUBJECT

Participants are asked to conceive and design a complement of interior design or design office, which must not exceed the maximum size of 490x390x200 mm achievable with Stratasys 3D Printer J750.

The proposed object must be unpublished and having as only constraint the feasibility and industry reproducibility.

Evaluation criteria

It will be awarded the projects that stand out for their originality, aesthetic appeal and functionality. Projects will enhance the intrinsic characteristics of the Additive Manufacturing technology.

2. PARTICIPATION

The competition is open to all professionals having between 18 and 40 years of age at the date of publication of this announcement. Candidates shall submit a maximum of 2 proposals.

The competition involves the participation of single member and groups of up to 3 people, in the last case, although the intellectual property of the work will be belong to all its members of the group, they will be required to appoint a group leader as the sole person in charge of dealing with the organization of competition. The authors of the projects submitted shall take charge of all responsibilities as for the authorship of the works.



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Following categories are not allowed to enter the competition:

- > members of the Jury;
- > relatives of members of the jury up to the fourth degree of kinship in straight-line (that is, people descending from each other, eg. mother, daughter, grandchild), and in secondary line (people who, despite a common stock, do not descend from each other, eg. brother, sister, uncle, nephew) and relative in-law up to the second degree (a kinship between a spouse and the relatives of the other spouse eg. Parents in-law, brothers in law, daughters-in-law) as provided by Articles 74, 75, 76, 77, 78 of the Italian Civil Code;
- > those who, for whatever reason, have taken part or in any way contributed to the drafting of the Notice and the enclosed documentation;
- > employees of the Promoter group and sponsors.

Will be reasons for exclusion, in addition to what has already been specified: the non-use of the templates provided by the organizer in the layout of the competition documents.

The insertion of project works in the special section of the site info@ad3dprinting.com must take place no later than the date of 28/02/2017.

3. PARTICIPATION MODES AND SELECTION STEPS

Registration for the **CARBON FIBER DESIGN CONTEST 2017** is free. Each candidate project will be submitted to the judgment of the jury that will select the [three winning projects](#).

[Will be realized the prototypes of the three winners projects and will be exposed in important trade fairs and industry events.](#)

The Technical Jury The President

Prof. Ing. Marinella Levi, Politecnico di Milano

- Ph.D. Ing. Domenico Brigante, Olympus-FRP®
- Prof. Ing. Ignazio Crivelli Visconti, Tepco srl;
- Prof. Ing. Antonio Langella, DICMAPI Università Federico II di Napoli;
- Arch. Simonetta Pegorari, consulente per la comunicazione, esperta compositi e blogger
- Arch. Danilo Premoli, designer e blogger
- Ing. Niccolò Giannelli, Stratasys
- Arch. Renato Pastore
- Dott.ssa Lorena Pacelli, UNESCO Giovani



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Awards

The jury, at its sole discretion, elect three winning projects that will receive a prize as follows:

- > 1st prize: € 500.00 + prototype implementation
- > 2nd PRIZE: prototype implementation
- > 3rd prize: prototype implementation

4. DOCUMENTS REQUIRED

The graphic reports will use the default layout, with .jpg format, in A4 format (210 x 297mm, max resolution 150 dpi).

- Table #1: at least 2 rendering of the item on a neutral background;
- Table #2: : at least one image of the explanatory mode of use of the object and / or inclusion of it in a context;
- Explanatory report #3: composed of a maximum of 500 characters (languages: English or Italian) in which to describe the use and function of the object, and information on 3D printing technique and material
- Attached file #4: STL with the information about the material and color of each shell & VRML 2.0 which already contains the color information.

Project requirements:

- Use at least two materials among those listed in the downloadable data sheet at: http://usglobalimages.stratasys.com/Main/Files/Machine_Spec_Sheets/PSS_PJ_Stratasys_J750.pdf
 - Use of at least 2 colors;
 - The colored parts can be made of various materials, but the texture parties can only be rigid;
 - Must be able to be printed in a single print job (pot size 490 x 390 x 200 mm);
 - As post-production of the printed part are only permitted removal of the support material and polishing.
- Registration Form # 5, completed in all its parts.

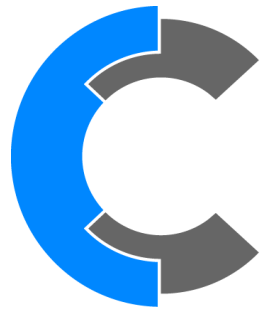
The file name should be the title of the project followed by # 1-2-3-4-5 Each project will have its own dedicated page. With deliverables 1-2-3-4, on pain of exclusion, it must not indicate the name of the participant.

The organization and the jury reserve the right to request additional artwork to competitors, aiming at a proper understanding of the project. All models in the required conditions can be downloaded from the relevant section on the site: www.ad3dprinting.com.



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PROMOTED BY



**CENTRO
COMPOSITI**
in Edilizia



**Simonetta
Pegorari**
B2B Marketing & Communication



Organizzazione
delle Nazioni Unite
per l'Educazione,
la Scienza e la Cultura



Commissione Nazionale
Italiana per l'UNESCO
Comitato Giovani



Brigante Engineering

architetto
alfredo
nardiello



INDUSTRIAL PARTNER



stratasys®



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MEDIA PARTNERS



compositesolutions
composite materials & new technologies for advanced products

PLATFORM

architecture and design

WITH THE PATRONAGE OF



DI
C
Ma
PI

Dipartimento
di Ingegneria Chimica,
dei Materiali e della
Produzione Industriale
Università degli Studi
di Napoli Federico II



PEGASO
Università Telematica

ADI **ADI ASSOCIAZIONE
PER IL DISEGNO
INDUSTRIALE**



Ordine degli Ingegneri
della provincia di Napoli



Confartigianato
Imprese





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APPLICATION FORM

(In block capitals)

Me, the undersigned..... born in.....(Prov.....)
on..... resident in..... (Prov.....) ZIP
code.....address.....Mobile.....
.....e-mail.....
profession.....

In my quality as AUTHOR GROUP LEADER

of the group composed by myself and:

> member 1

name.....
surname.....
profession.....

> member 2

name.....
surname.....
profession.....

APPLY FOR

the participation to the CARBON FIBER DESIGN CONTEST

PROJECT TITLE.....as reported on all the deliverables.

For this purpose, aware of the criminal penalties provided for by art. 76 of D.P.R. 445/2000 in the event of false declarations and claims about training or of false documents produced

I DECLARE

to have read the notice of competition CARBON FIBER DESIGN CONTEST 2016 and to accept all provisions contained in it and to give the authorization to the processing of personal data in accordance with legislative decree 196/2003 and subsequent amendments and additions and that there aren't any grounds of exclusion from participation according to procedures under the existing legislation.

Place and Date

Signature of candidate