

3D Pioneers Challenge Formalities 2017

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3D Pioneers Challenge Pushing Boundaries 2017

Apply now to take part in the international competition for **additive manufacturing technologies!**

Already for the second time the unique **3D Pioneers Challenge** covers a range of verticals and is aimed at designers who are breaking new ground in the field of 3D printing and who understand the key trends in the industry.

The Challenge seeks to uncover specialists from around the world who are thinking outside the box and **-pushing boundaries.**

Additive and rapid manufacturing processes are no longer in their infancy – their unique features have already helped them to conquer the market and win over end users. Alongside the traditional engineering sectors such as the aerospace industry, additive manufacturing processes are now also being used in medical technology, fashion and architecture, lifting the limits on imagination and individuality.

The competition will focus on the following verticals:

Design
Architecture
Automotive
FashionTech
MedTech

3D-Printing has the potential for the digital world to become real. Where do the developments of additive manufacturing lead to and which opportunities do they offer?

Interdisciplinary teamwork causes chances for creative new paths - because innovation needs a view from the top.

Who are the pioneers of nowadays that break new ground, who combine new techniques and create something unpredictable, unknown and new? Designer who push the process, demonstrate conceptual and practical ideas and think outside the box.

Entrants

The competition is open to **Students** and companies (**Young Professionals**- less than three years experience and **Professionals** – working in design or technical fields, as well as the automotive, research and medical sectors.

We welcome submissions from previously published projects to brand new ideas.

Group entries are also permitted.

Award

The 3D Pioneers Challenge has a total of EUR **15.000** of prize money to award across the verticals.

The finalists' submissions will be manufactured by one of our partners (unless they have not been manufactured already) and will be exhibited at Rapid.Tech + FabCon 3.D in Erfurt (20th -22nd of June 2017). The entries of the winners will then be taken on a **roadshow** on international fairs.

All prize-winners will be invited to the 3D Pioneers Challenge award ceremony, which will take place as part of a **gala evening** in Erfurt on 20th of June 2017. We would like to have as many finalists as possible to join us at the ceremony. Participants who reach the final round will therefore be informed in advance.

Assessment criteria

The main judging criterion will be how the project deals with current issues and medium- to long-term trends affecting the sector. 2017 3DPC focuses on interdisciplinary works.

The additively manufactured submissions will be displayed in a final exhibition, each accompanied by a short explanatory film and printed renderings with descriptions and justifications of the unique features of the design. They will be judged based on the following criteria:

Implementation

- Manufactured using additive processes
- Design appropriate for the material
- Ecological aspects

Conception, design

- Conceptual quality (content, novelty, degree of innovation, product definition)
- Design quality (originality, consistent and aesthetic design principle, ergonomics)

Relevance

- Relevance to society (social aspects, purpose)
- Sustainability of the idea/project
- How the project engages with state-of-the-art technology/knowledge

The jury will also take into account whether each project was submitted by students, young professionals or professionals.

Expert jury

The international, high-class jury is made up of experts who work in this year's verticals.

Jury members 2017:

Diana Drewes, Haute Innovation

Marva Griffin-Wilshire, Founder and Curator SaloneSatellite

Dieter Hofmann, International design fair blickfang

Naomi Kaempfer, Creative director Stratasys

Janne Kytanen, Digitaler sculptor, serial 3D entrepreneur, angel investor

Lisa Lang, Founder ElektroCouture, Investor & Curator, FashionTech

Silvia Olp, Manager aed e.V., aed Society for Advancement of Architecture, Engineering, Design

Davide Sher, 3D Printing Business Media

Joachim Stumpp, Architect, CEO raumPROBE

Andreas Velten, Institute for Anaplastology

Christoph Völcker, Head of design and production VOXELWORLD

Wolf Udo Wagner, Studio Wagner:Design, Deutscher Designer Club (DDC)

Kay Uwe Witte, XODESIGNGROUP LLC

Jochen Zäh, lecturer material & technique, analogue & digital design-processes Hochschule and Kunstakademie Düsseldorf

The independent jury will decide how the prize money and prizes will be apportioned.

Entry fees and payment conditions

Entry is free of charge for **Students**, for **Young Professionals** who have completed their studies within the past three years, and for **exhibitors** at the current year's Rapid.Tech + FabCon 3.D.

Companies that have been in the market for more than three years and private limited companies (**Professionals**) will be charged an entry fee of EUR 250. This does not include VAT.

No other fees will be charged.

For further information, please refer to the general terms and conditions.

Timesheet

December 2016
31st March 2017
20th -22nd June 2017

Call for entries open
Submission deadline
Exhibition of the finalists' projects at
Rapid.Tech + FabCon 3.D, Messe Erfurt
Gala evening with award ceremony
Roadshow on international trade shows

20th June 2017
Following

Registration

The registration is official by handing in the submission in time.
The deadline for applications is **31st of March 2017**.

Please read the conditions of participation/general terms and conditions carefully.

No more than three entries may be submitted per person.
Any design that has been published previously must be no older than three years.
3DPC entries of 2016 may not be submitted again.
Please complete one registration form for each entry.

Therefore you create an account at www.3dpc.io . There you may submit your project, upload pictures, movies, describing texts. The files will be saved in your account and you are able to update the content till the submission deadline. After the deadline it is not possible anymore.

In all further correspondence please mention the name of the project as well as your username.

Incomplete submissions will be excluded from the competition.

Each submission must contain the following:
Please add to the name of each uploaded file the name of the project.

Hardcopy

- Completely digitally filled registration form
- Proof of studies, confirmation of enrolment
- Complete Project description and short description in German/English

Submission

- One significant high quality photo/rendering (.jpg 1748 x 2480 px, landscape format, uniform background)
- Producible 3D data file for the submitted design (.stl /.iges /.step)
- A short explanatory movie (max. 60 seconds) in two formats:
 - Full HD 3:2 (for display on Ipads at the exhibition)
 - Full HD 16:9 (for display on large screen at the gala event)

If there is an existing model of the project that may be provided for the final exhibition you may send it directly to the Messe Erfurt (date will be communicated in time)

In case of being part in the final exhibition and there is no existing model, a partner of the 3DPC will produce a model (free of charge for the participant).

Organisers

In collaboration with the Messe Erfurt, Rapid.Tech + FabCon 3.D. d.sign21 has organised the 3D Pioneers Challenge.

Messe Erfurt GmbH with Rapid.Tech + FabCon 3.D

The Rapid.Tech international trade show and User's Conference is aimed specifically at users and developers of Additive Manufacturing technologies. With participants from over 18 countries, it is one of the most important information events in Europe. 180 exhibitors, over 4,500 trade visitors and more than 900 conference participants from Europe and around the globe are expected in Erfurt from 20th to 22nd June 2017. Since 2013, Rapid.Tech has been run in tandem with FabCon 3.D, which focuses on people with an interest outside the traditional industries. It is a meeting point both for creative start-ups and for experts and major players in the 3D Printing community.

www.rapidtech.de

www.fabcon-germany.com

d.sign21 (Völcker&Völcker GbR)

d.sign21 is a design and consultancy company with a wealth of experience in developing and organising design challenges. Its 3D Pioneers Challenge brings together expertise in design, additive technologies and the global network.

www.d-sign21.de

The 3D Pioneers Challenge is under the patronage of the **DDC, Deutscher Designer Club.**

Partners

3D Hubs

www.3dhubs.com

3Druck.com

www.3druck.com

aed e.V.

www.aed-stuttgart.de

Autodesk

www.autodesk.com

blickfang

www.blickfang.com

botspot

www.botspot.de

canto

www.canto-web.de

DDC Deutscher Designer Club

www.ddc.de

d.sign21

www.d-sign21.de

designreport

www.designreport.de

designspotter

www.designspotter.com

FIT AG

www.pro-fit.de

haute innovation

www.haute-innovation.com

MakerBot

www.makerbot.com

raumPROBE

www.raumprobe.de

Stratasys

www.stratasys.com

Verband 3DDruck e.V.

www.verband3ddruck.berlin

VDID

www.vdid.de

Thüringer Ministerium für
Wirtschaft, Wissenschaft und
Digitale Gesellschaft

www.thueringen.de/th6/tmwwdg/

Liability Insurance

The participant bears all costs that are associated with processing the submitted designs- sending and return. The organiser disclaims liability.

General legal conditions

Entrants are responsible for ensuring the rights to their designs are protected and ensuring that the rights of third parties are not breached by their participation in the competition and the publication of the results of the competition in printed documents, exhibitions and press releases. They will provide all required documentation free of charge.

The decision of the jury is final and there is no right of appeal.

For further information, please refer to the general terms and conditions.