



Rapid.Tech 3D  
5<sup>th</sup> – 7<sup>th</sup> May 2020, Messe Erfurt

**Start 3D Pioneers Challenge 2020**  
**„It's the year 2020...“**  
**35.000 € prize money waiting for the winners**  
**Application now possible**

*(Erfurt 2<sup>nd</sup> December 2019) The platform for pioneers in 3D printing is again looking forward to creative submissions! The 3D Pioneers Challenge, already in its 5th year, bundles again the industry's innovations at Rapid.Tech 3D. The 3DPC 2020 thereby provides a stage for the forward-looking and pioneering concepts that turn visions into reality using additive manufacturing processes. Potential participants can now register for the design competition.*

The challenge seeks to uncover 3D enthusiasts, specialists, developers and lateral thinkers from universities or institutes, the industry or design and engineering offices that are thinking outside the box - **pushing boundaries!**

**It's the year 2020...**

Visions of the future sketched our present age as an impressive time in which technical achievements and intelligent objects support people, interact with their surroundings and enrich the world.

Today, 3D printing, material innovations, artificial intelligence and robotics have long since become a decisive focus of science, industry and society. Products are virtually developed and simulated. They receive an astonishing new aesthetic and efficiency in their performance. The latest developments e.g. in bioprinting, 3D printed electronics through to soft robotics or large-size construction are inspiring. Moreover pioneers are researching nanomaterials or designing shape-changing products, creating smart 4D printing.

In the sustainable and industrial design of tomorrow, interdisciplinary action and creative lateral thinking are the keys to innovation - Advanced Manufacturing.

**3DPC 2020**, be part of the future and push the boundaries!

The platform displays every year the main trends of innovation that get spurred by additive technologies. Therefore the verticals "Design", "MedTech", "FashionTech", "Material", "Architecture", "Digital", "Mobility", "Sustainability" are rounded off by "Electronics", which requires not only system integration but also new materials.

The prize money of € 35.000 will be kindly donated by the **Ministry of Economics, Science and Digital Society Thuringia**. This makes the "3D Pioneers Challenge" to one of the most highly prized design awards for innovation in the field of 3D printing.

Apart from this 3DPC partners support with additional prizes and awards: With the "Special mention by Autodesk", Autodesk gives to three winners the opportunity to join their highly regarded Autodesk Technology Centers Residency program in N. America at one of the locations - San Francisco, Boston, or Toronto, to bring forward their projects using latest technologies. The winner of the „Best student project“ will be awarded with the Makerbot Replicator+ by Makerbot. Autodesk software licenses from Fusion 360 and NetFabb, the 3D Printing Handbook from 3DHubs and book prizes from av edition, the publishers for architecture and design, complete the range of prizes with a total value of over € 40,000.



"We are pleased to present the projects of the 3D Pioneers Challenge again in a special exhibition at Rapid.Tech 3D and to offer a suitable presentation frame to the innovative pioneers of 3D printing. Also this year the Thuringian Ministry of Economics, Science and Digital Society as well as numerous cooperation partners will support this high-quality design competition. We are delighted that the Challenge has established itself so strongly in the additive manufacturing industry and gains reputation worldwide. We are already curious to see which interesting contributions will be submitted this year," says Michael Kynast, Managing Director of Messe Erfurt GmbH.

The organizers of the 3D Pioneers Challenge, Simone and Christoph Völcker of d.sign21, office for design based in Stuttgart, add: "It's fascinating how the 3DPC's network is drawing circles already. Partners as well as the expert jury belong to the Who's Who of the industry and the attention rises: all eyes are now focused on this competition when it comes to AM. Every year we are motivated by the fact that the annual selection of the finalists presents the best concepts and ideas of the inspiring AM industry and also of the young university scene. Especially with the portentous year 2020, the focus is even more towards Advanced Manufacturing - to show the future already today at the exhibition".

For the multi-stage jury procedure, the 3DPC has renowned and internationally recognized experts from design, application and industry on board.

Within the scope of architecture and design the jury will be supported among others by Jessica Rosenkrantz from Nervous System, Andrej Kupetz from the German Design Council, Patrik Schumacher from Zaha Hadid Architects as well as Designer Ross Lovegrove.

Marco Korman from adidas and Prof. Dr. Manuel Kretzer from Anhalt University of Applied Sciences in Dessau have also joined the team. Arno Held from AM Ventures and Stefanie Brickwede from Deutsche Bahn and Mobility goes Additive e.V. are pushing the entire industry worldwide with their networks. In the field of medicine and materials are supporting Dr. Cora Lüders-Theuerkauf from Medical goes Additive e.V., Andreas Velten from IFA3D Medical Solutions, Diana Drewes from Haute Innovation- agency for material and innovation, as well as Prof. Shlomo Magdassi from the Hebrew University of Jerusalem, whose main focus is on the development of nanomaterials.

In addition, the partners provide first-class jury members, for example HP with Sonita Lontoh, Farsoon with Dr. Dirk Simon, EOS with Dr. Marco Nock and the Fraunhofer IAPT with Prof. Dr. Claus Emmelmann. 7 female experts in the 3DPC jury 2020 illustrate the important role of women in the AM industry.

It is particularly pleasing that companies such as Materialise or Würth who also stand for innovation, are now partners for 3DPC 2020. In Design the Challenge is supported by the German Design Council, the aed e.V., association for architects, engineers and designers, as well as by the Designspotter network. The German Designer Club DDC will once again be the patron.

The finalists' projects will be presented at a **special show** at Rapid.Tech 3D in Erfurt (May 5-7, 2020). The 3D Pioneers Challenge award ceremony will take place during a **gala evening** on 6 May 2020 in Erfurt. Afterwards, the finalists' exhibits will go on **roadshow** to international events for one year, for example at the German Bundestag with the partner 3D Druck Verband.

All interested parties are invited to apply with their projects by **1<sup>st</sup> March 2020**.

Participation is free of charge for students and young professionals.

All information for participants, formalities, online application and registration can be found at: **[www.3dpc.io](http://www.3dpc.io)**



### **Jury 3DPC 2020**

Stefanie Brickwede\_Deutsche Bahn, Mobility goes Additive e.V.  
Diana Drewes\_Haute Innovation  
Prof. Dr. Claus Emmelmann\_Fraunhofer IAPT  
Arno Held\_AM Ventures  
Marco Kormann\_adidas  
Prof. Dr. Manuel Kretzer\_Anhalt University of Applied Sciences, Dessau Design Department  
Andrej Kupetz\_German Design Council  
Sonita Lontoh\_HP, 3D Printing Business  
Ross Lovegrove\_Lovegrove Studio, GB  
Dr. Cora Lüders-Theuerkauf\_Medical goes Additive e.V.  
Prof. Shlomo Magdassi\_Hebrew University of Jerusalem, ISR  
Dr. Marco Nock\_EOS Innovation Management  
Silvia Olp\_aed e.V., Architecture, Engineering and Design  
Jessica Rosenkrantz\_Nervous System, USA  
Prof. Patrik Schumacher\_Zaha Hadid Architects, GB  
Vanessa Sigurdson\_Autodesk Technology Centers, USA  
Dr. Dirk Simon\_FARSOON Europe  
Joachim Stumpp\_raumPROBE  
Andreas Velten\_IFA3D Medical Solutions  
Christoph Völcker\_Würth Innovation Lab - Advanced Manufacturing

### **Partner 3DPC 2020**

Ministry of Economics, Science and Digital Society Thuringia, 3Druck.com, 3dbpm, 3D Hubs, 3D natives, aed e.V. - Architecture, Engineering and Design Stuttgart, AI People, ALL3DP, AM Ventures, Autodesk, av edition, canto, eos, DDC Deutscher Designer Club, designspotter, Deutsche Bahn, Farsoon Europe, FIT AG, Fraunhofer IAPT, Haute Innovation, hp, MakerBot, materialise, Medical goes Additive e.V., Mobility goes Additive e.V., ndion\_News on Design, German Design Council, raumPROBE, Stratasys, Studio Deussen, Verband 3DDruck e.V., Würth

### **About 3DPC**

3DPC - the international platform for pioneers in 3D printing - offers with the competition for Additive Manufacturing processes the stage for all enthusiasts who deal with new technologies using 3D printing to push their projects.

### **About Rapid.Tech 3D**

**Rapid.Tech 3D** is the leading European congress and exhibition in the field of Additive Manufacturing. Under the motto „Understanding, Seeing. Experiencing“, developers, users and experts from the scene will come together from 5 to 7 May 2020 to inform themselves and exchange information about progress and specialist knowledge in Additive Manufacturing. With user-oriented presentations at the trade congress, the 3D Printing Conference, numerous networking opportunities and over 200 exhibitors at the trade exhibition, Rapid.Tech 3D is a top-class meeting place for the industry that is unique in this form. More than 5,000 international trade visitors and congress participants are expected in Erfurt for the 17th edition 2020.

### **About d.sign21**

The design and consultancy company with a wealth of experience in developing and organising design challenges. Its expertise in design, additive technologies and the global network supports the **3D Pioneers Challenge**.

# Presseinformation

## press information



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