



Rapid.Tech 3D

17 – 19 May 2022, Messe Erfurt

Call for Entries der 3D Pioneers Challenge 2022

„**Convergence** - disruptive and established industries meet to create a responsible future“

Registration now open!

(Erfurt, 16 December 2021)

The Platform for Additive Manufacturing and Advanced Technologies invites you to the international competition in its seventh edition! The call is open to innovative companies, students and start-ups who are brave enough to pave the path for technology transfer that will enable sustainable production in the future.

The largest international design award of its kind will be announced as part of Rapid.Tech 3D (Messe Erfurt, 17-19 May 2022), the pioneer and future hub for AM.

Rapid.Tech 3D is a creative meeting point for start-ups as well as for experts and industry giants in additive manufacturing

FOKUS 2022

„**Convergence** - disruptive and established industries meet to create a responsible future“

When complementary fields join forces, this convergence can evolve to something meaningful! Additive manufacturing has more than achieved a “proof of concept” status throughout the last decade. Disruptive technologies offer a whole range of functional, project-specific one-offs and have been tested in numerous verticals.

The established industry faces rising challenges of their future-proof and social impact and the need of responsible manufacturing. Not least the Green Deal is pushing to respond to the inevitable development towards sustainability.

Advanced Technologies such as 3D printing can enable solutions to this challenge – when implementing them strategically into established processes.

The concept of sustainability has multilayered implications – ranging from the economic to ecologic. But, underpinning all of these layers is that sustainability needs to appeal-to, and be driven by a responsible human mindset.

The 3D Pioneers Challenge addresses pioneers brave enough to pave the path for technology-transfer that will enable sustainable production in the future. This technology-transfer is unlocked as a spectrum ranging from those who take wise-incremental steps in established industry, to those who are inventing brand new concepts in the entrepreneurial start-ups and academic sectors.

The disciplines announced for the award are derived from the questions „WHAT, HOW and WHY ... we design and make“. For 2022 there are Design, Digital, Architecture, FashionTech, Materials, MedTech, Mobility, Electronics, Machinery and Sustainability.

The 3DPC invites interested parties, till the submission deadline of **14 March 2022**, to use the platform. Present. Meet. Converge – to create together a better, responsible future. Let's be pioneers and **push the boundaries**.

AWARDS

The participants await prizes worth over 150.000 €.

The prize money of **€35,000** is kindly supported by the Thuringian Ministry of Economic Affairs Science and Digital Society. The 3D Pioneers Challenge is one of the world's most highly endowed design competitions for innovation in Additive Manufacturing processes.

As a highlight, the **"3DPC Trophy"** will be awarded to the "Main Winner". The limited design object



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created especially for the 3DPC was realised in cooperation with jury member Ross Lovegrove as well as Hyperganic, the winner of "3DPC 2019 Digital" and partner Materialise.

The 3DPC generally stands for bundling expertise and tools from its network of partners and thus opening up opportunities for participants to implement and advance innovations and ideas.

Therefore this year the 3DPC partners will provide 3D printers (MakerBot - SKETCH 3D printer, Formlabs - Form 3 printer and Ultimaker - S5 Pro Bundle) as well as software licences (nTopology "nTop Full version").

Book prizes from HUBS and av edition, the publishing house for architecture and design, round off the prize packages.

EXHIBITION and AWARD CEREMONY

For 3DPC2022, the best elements from the onsite exhibition and virtual presentation will be used and will take place as a hybrid event with an awards ceremony during Rapid.Tech 3D (17-19 May 2022).

3DPC & FRIENDS and SPECIAL FEATURE

After last year's successful premiere, entrants can once again benefit from the "Special Feature by nTopology". With this feature, **nTopology** provides its platform for forward-looking design and engineering software available free of charge during the competition. With this innovative tool, ideas and concepts for the competition can be realised and taken to the next level. Accompanying tutorials are offered by nTopology. With this cooperation, 3DPC starts early in the process chain and can support as an enabler in the field of education.

JURY and PARTNER

The 3DPC also brings together the disruptive and established industry as well as the focus on sustainability in the jury board. The 30 specialists contribute their expertise in the respective disciplines and stand for the quality of the award.

Advanced Technologies are becoming increasingly relevant to society and politics. This year's jury includes representatives such as Karsten Feller, State Secretary of the Thuringian Ministry of Economics, Science and Digital Society, and Mario Brandenburg, Spokesman for the free democrats for science, technology and innovation in the German Bundestag.

Jurors such as Sonja Rasch from Materialise or Stefanie Brickwede from Mobility goes Additive and Deutsche Bahn are once again part of the panel, as well as Prof. Dr.-Ing. Christiane Beyer from Otto-von-Guericke University Magdeburg, who has dedicated herself to the topic of "innovative product development with disruptive technologies".

Cooperation partners from industry and research support with jury members such as Dr. Karsten Heuser Vice President Additive Manufacturing at Siemens, Dr Dirk Simon from Farsoon Europe or Frank Beckmann from Fraunhofer IAPT.

The verticals of design and architecture are covered by the German Design Council with Lutz Dietzold, the designer Ross Lovegrove and the architectural firm Zaha Hadid Architects with CEO Patrik Schumacher and Shajay Bhooshan, responsible for their "Computational Design Research Group".

Dr. Cora Lüders-Theuerkauf from Medical goes Additive e.V., Andreas Velten from IFA3D Medical Solutions, and Prof. Shlomo Magdassi from the Hebrew University of Jerusalem will support the MedTech and Materials section.

Victoria San Fratello from Emerging Objects, herself a multiple award winner of the 3DPC, Marie-Lucie Linde from "Sustainable Natives" and Carina Lebsack from Würth GmbH & Co KG will contribute their know-how to the cross-category discipline of sustainability.

The entrants will present to industry experts, not least the Autodesk Technology Center team and AMVentures, which push start-ups for industrial 3D printing.

All information regarding the award, regulations and online registration: www.3dpc.io

For „Students“, „Young Professionals / Start-Ups“ as well as exhibitor of the Rapid.Tech 3D the participation is free of charge. **Submission Deadline** is 14 March 2022.



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Facts 3DPC 2022

Jury 3DPC 2022

Frank Beckmann_Fraunhofer IAPT
Prof. Christiane Beyer_OVGU University Magdeburg
Zoé Bezpalko_Autodesk Sustainability
Shajay Bhooshan_Zaha Hadid Architects
Mario Brandenburg_Member of Parliament
Stefanie Brickwede_DB, Mobility goes Additive
Alejandro Delgado_Hugo Boss
Lutz Dietzold_German Design Council
Diana Drewes_Haute Innovation
Carsten Feller_Thuringian Ministry of Economic Affairs Science and Digital Society TMWWDG
Pia Harlaß_DyeMansion
Arno Held_AMVentures
Dr. Karsten Heuser_Siemens Digital Industries
Thomas Hundt_Jangled Nerves
Gil Lavi_3D Alliances
Carina Lebsack_Adolf Würth GmbH & Co. KG
Marie-Lucie Linde_Sustainable Natives
Ross Lovegrove_Lovegrove Studio
Dr. Cora Lüders-Theuerkauf_Medical goes Additive e.V.
Prof. Shlomo Magdassi_Hebrew University of Jerusalem
Joris Peels_SmarTech Analysis, 3DPrint.com
Michael Petch_3D Printing Industry
Sonja Rasch_Materialise
Victoria San Fratello_Emerging Objects
Prof. Patrik Schumacher_Zaha Hadid Architects
Dr. Dirk Simon_FARSOON Europe
Matthew Spemulli_Autodesk Technology Centers
Joachim Stumpp_raumPROBE
Andreas Velten_IFA3D Medical Solutions
Christoph Völcker_Innovation Lab AM, Würth Elektronik

Partner 3DPC 2022

3D Alliances, 3Druck.com, 3D natives, 3DPrint.com, 3D Printing Industry, 3Yourmind, aed e.V., ALL3DP, AMVentures, Autodesk Technology Centers, avedition, DB Deutsche Bahn, Farsoon Europe, Formlabs, Fraunhofer IAPT, Haute Innovation, HUBS, Hugo Boss, Jangled Nerves, MakerBot, Materialise, Medical goes Additive e.V., Messe Erfurt, Mobility goes Additive e.V., Modelltechnik, ndion_News on Design, nTopology, Rapid.Tech 3D, German Design Council, raumPROBE, Stratasys, Thuringian Ministry of Economic Affairs Science and Digital Society, Ultimaker, Verband 3DDruck e.V., Würth GmbH & Co. KG

About Rapid.Tech 3D

Rapid.Tech 3D, the pioneer and future hub for AM, will take place from 17 to 19 May 2022 at Messe Erfurt. For the 18th time the unique event offers the triad of trade congress, trade show and networking for the AM industry.

Rapid.Tech 3D is a creative meeting point for start-ups as well as for experts and industry giants in additive manufacturing. In addition to a high-class and highly user-oriented specialist congress, the trade fair offers more than just exhibitors, for example the 3D Printing Conference or the start-up and workshop area are suitable opportunities for networking and the presentation of ideas as part of Rapid.Tech 3D.

The last Rapid.Tech 3D in presence drew around 4,500 visitors from 27 countries as well as 180 exhibitors from twelve countries to Erfurt in 2019. The virtual Rapid.Tech 3D Congress 2021 was used by 1,050 participants from 14 countries to acquire knowledge, exchange information and initiate contacts.



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About 3D Pioneers Challenge

The international design competition for Additive Manufacturing processes and Advanced Technologies is the most prestigious award of its kind and is one of the most highly endowed worldwide. The annual announcement and presentation of the finalists is considered to be the innovation monitor of the industry. Unique in its structure, the competition has been addressing specialists who think outside the box since 2015 - pushing boundaries!

About 3DPC Platform

Over the years, the Challenge has become a platform with a worldwide network and is an interface for creative future-makers, pioneers of advanced technologies and innovators from research and industry.

About „3DPC & Friends“

Under the umbrella of „3DPC & Friends“, 3DPC brings together the creative minds and high-tech pioneers of the 3DPC platform in an interdisciplinary way, resulting in new, groundbreaking projects in which everyone can contribute and live out their expertise - design rethought! The 3DPC shows today what tomorrow will bring - pushing boundaries.

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.

Press Contact Messe Erfurt GmbH:

Isabell Schöpe
Tel: +49 (0) 361 400 1350
i.schoeppe@messe-erfurt.de
www.rapidtech-3d.com

Contact 3D Pioneers Challenge:

Simone Völcker
Tel: +49 (0) 711 658 44 99
info@3dpc.io
www.3dpc.io

Follow us on Facebook, LinkedIn, Instagram, YouTube
#3DPioneersChallenge

Messe Erfurt GmbH
Gothaer Straße 34 · 99094 Erfurt
T +49 361 400-0 · F +49 361 400-1111
info@messe-erfurt.de
www.messe-erfurt.de

Geschäftsführer:
Michael Kynast

Amtsgericht Jena
HRB 504079
Steuer-Nr.: 151/114/08472
UST-Id.Nr.: DE173364228

Commerzbank Erfurt
BLZ 820 400 00
Konto 1000 90 000
IBAN: DE13 8204 0000 0100 0900 00
BIC: COBADEFFXXX

Sparkasse Mittelthüringen
BLZ 820 510 00
Konto 600 055 914
IBAN: DE32 8205 1000 0600 0559 14
BIC: HELADEF1WEM