

MULTIMORPHISM

THE BOOK IN SHORT

"YOU CAN LIVE IN THE JUNGLE OR LIKE THE OTHERS IN THE ZOO."

Christopher Noelle aka Tofa is a passionate multimedia artist with over 30 years of experience in creating crossmedial art.

In this retrospective 300 pages book, the interrelationship of all the different medial disciplines that he dived into, creates an interesting and inspiring focus on crossmedial research with an outstanding artistic approach.

In our data-flufmed times such a cross-general artistic approach is difficult to follow and fullfill, but nevertheless highly interesting to trigger and (re-)discover your own creativity.

Multimorphism is not only a lookbook, but also claims to be a source of inspiration which underlines the complexity and relationship between the analog and the digital world.

10 Chapters about 11 mediums and 10 tutorial projects guide you threw the jungle of ourdays multimedial options, ranging from projection art over light painting, calligraphy, graphics, animation, penplotter art, spirography, street art, club culture up to xr ai architecture, Al driven campaigns and typographic transfers.

In collaboration with graphic designer Laurenz Hintermayer - who was in charge of the conceptual layout design - this artbook is closing the gap of the dynamic connections of XR art.

Tofa is fusing the disciplines to interaction and shows us reciprocal influences that encourage to imitate.

Whether you're an enthusiast, a creative, a practitioner, or simply a curious observer, this book promises to ignite your imagination and expand your appreciation for the ever-evolving landscape of contemporary art.

FORMAT

223 x 300mm (WxH), 300 pages CMYK + Spot color Silver (print), English

MULTIMORPHISM - THE TITLE

The term "Multimorphism" is the ability of a single thing to take multiple forms, adapting to different needs at the same time.

AUDIENCE

10-99 years, unisex

Art interested people in the beginning of an artistic carreer or/and a general interest on temporary XR art from the genres graphic design, projection art, photography, callligraphy and typography, animation, graphic and interior design, street art, penplotter art and stuff far beyond.

Educational institutions such as Universities, Schools, Media Campuses and Festivals, Thinktank Companies, Agencies, Artbuyers and Artlovers.

ABOUT THE AUTHOR

Berlin born Christopher Noelle (*1974) aka Tofa is looking back on a story that went threw the roof like a rollercoaster long before the digital overkill started.

From the former extreme sports world champion in bike trials to film-maker, animator, editor, typolover, sound designer, graphic and street artist, this lookback on 30 years of being creative shows so many facets of multimedia art and thus delivers something special that today is only hard to find.

The sorting of archives and preselection took more than 6 months before he handed this package over to his friend - graphic designer Laurenz Hintermayer - who was then in charge of connecting the content to an overall matching bundle in form of the book MULTIMORPHISM which will have a full impact on your imagination.

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had torches in my backpack and the camera, I could convince them that all things were legal and when I showed them the results, they were astonished of my nighttime action.

During my Tokyo residency I crawled on the streets to repaint streetsigns - if someone saw me like that, they might have thought a key or I lost my contact lens. The cool thing about this technique is that you can practise it almost everywhere, either on your own or together with friends and a session easily ends up with hundreds of new photos, so the harddrives still keep growing.

Years later I remember a rainy night when I couldn't sleep. So I went to an empty parking slot with my car and attached an LED Hullahoop to the top of the roof. I placed the tripod next to the car and triggered the camera on bulp mode threw the window, now starting to drive a long U-turn and come back to the origin without crashing into the tripod. A tricky one when you are on

Conceptually I'm not setting limits to the styles and once I've found something new, I first start with deeper research to find solutions that could work out. The connection between access to new tools and the knowlege base I collected from all my past experiments is the essential part for new inventions. E..g. the Axidraw penplotter is such a thing. After using it for vector illustrations in the first year, I asked a friend of mine to build a cus-tomized touchsensitive fiberglas pen. The plotter was mounted on a glass table so I could capture the printingprocess in the darkness by taking the photo from underneath. These crossmedial ideas is exactly what I like to explore.

Having said that, let's take a closer look on the HOL-OPAINTER project, which is an extended reality (XR) con-pre-rendered animation loops, gifs or simply stills. The cept that I developed to combine different techniques to advantage of the software is its realtime user-friendlicreate XR light painting:

I always wanted to merge fiction and reality in realtime and the Holopainter allows me to work bi-directional between CG graphics and real photos taken in urban surrounding.

Let me give you an example: I worked on a calligraphy, a half circled typographical shape, which I then rebuilt in 3D. Now that this 3D model is on my desktop, how could I transfer this into a real urban enviornment photo? A pixelstick (programmable LED strip) would allow me a 2D transfer of a digital picture in a light painting photo, but it's not really 3D. So I had to dig a bit deeper to create a solution that works different. It took me lots of testing and experiments and based on my experiments in 3D animation, mapping projection and light painting, I built a customized rollable backprojection screen that allows me to transfer animations into real space. The resulting hologram-like image is created by using cross-section animations combined with movement, all captured in a longtime-exposure which enables an interdisciplinary approach to create a new XR light painting experience.

But first things first: In 2009 it was Keez Duyves from Pipslab (NL) who showed me an experiment on a portable playstation screen, playing back a crossection animation of a Concorde plane that simply by the movement. And there's another aspect which I really like about this resulted in a little floating 3D object in the long exposed photo. So originally, this was the inital trigger. A couple of years later, I made my own studio-tests with a rolling TFT screen that played back 2D and 3D graphics which I moved towards the camera, but I knew I had to develop something bigger that also works outdoors - so "only" 13 years later I picked up this input again with the Hol-

opainter project - which finally was realizable with a funding by the Cultural Ministry of Upper Austria. The entire project itself wasn't difficult for me, as I had a precise idea in mind, but all the technical ingredients needed their time to become affordable

I constructed a rebuildable base for the shortthrow-projector and the backprojection-screen, both built on rolls of inline-skates with a distance of 2,5m from project to screen to cover the entire screensize of 2,4m x 1,8m Another difficulty was finding the right matching power-supply – an E-powerstation that delivers enough power for several hours for projector and laptop. I first worked with a car-battery but it didn't last long enough. With the Jackery Explorer 2000 I found a powerstation that was a perfect match between size, weight and power. This E-battery is placed next to the shortthrow-projector and my laptop easily fits on top.

On the software side I work with Madmapper which allows me to experiment in various directions while make ing changes on the fly. In the software I can either use a 3D Obj file which I can position and map with generative nations like lines or colored textures or I simply use ness: I can loop, crop, strobe multiply or mask any content, so it's me defining exactly what is screened for how long, where and in which color. The animation is a tricky beast, as it easily can burn out the entire picture if its showing too much. So basically it works best with simply showing a line crossing over an object all screened borderless on black background.

If you work with a crossection animation (like scanning threw a 3D object), the biggest problem is the permanent visibility of the front and the backside of a 3D object in the final photo, always depending on what you want to be seen... but if I take an obj file, I can position the perspective and simply let a single thin line run over it without showing its backside. Like this the 3d model gets vis ible as perspective floating object inside the projection.

And also the ping-pong idea behind this workflow is not only resulting in new light painting artworks, the re-digitalisation and re-defragmentation of the light painted results is also bringing another exciting inspirational level into the game of 3D animations and VFX. And once the first session was over, I immediately knew that the results are different to other light painted art, opening a different chapter between digital and analog experimen tal, which I really like.

concept: today people encapsulate themselves in digital worlds and completely lose the sense of time, commun. cation and the present.

This tool opens new possibilities for interaction and in mersive art, where users can interact.
while allowing to break out of the purely digital world to

create multimedia art based on artistic freedom





















MULTIMORPHISM COM 300 PAGES **10 CHAPTERS 10 TUTORIAL PROJECTS** SPOT COLOR CHROME/SILVER PAGES MAPPING PROJECTION **CALLIGRAPHY** PENPLOTTER ART POLAROID TRANSFERS IGHT PAINTING **SPIROGRAPHY** STREET ART TRESOR ART **GRFX 3D ART XR AI ART CONTACT: TOFA@METOFA.COM**