FROM REAL TO VIRTUAL AND VICE VERSA

INTRODUCTION AMFI 3D DESIGN EDUCATION DEVELOPMENT



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Amsterdam Fashion Institute

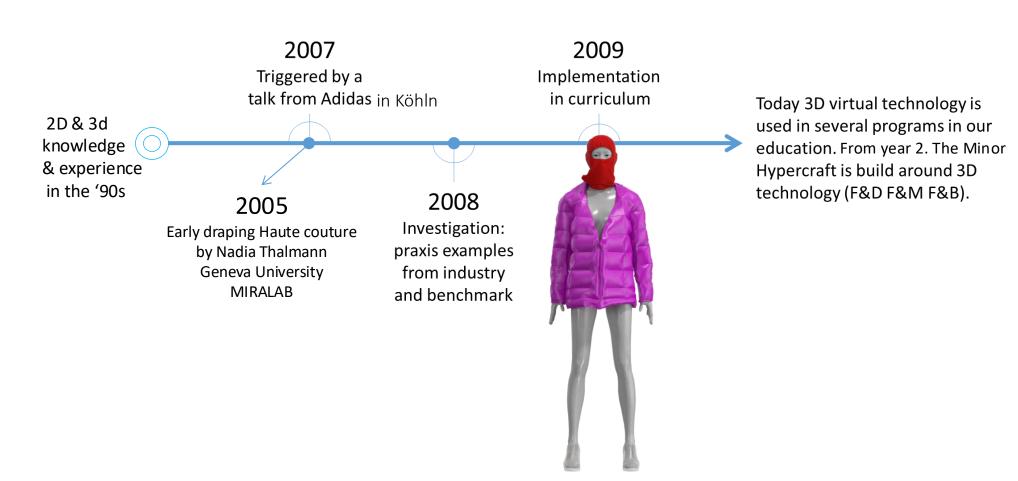
PERSONAL & PROFESSIONAL BASED LEARNING

FASHION DESIGN FROM REAL TO VIRTUAL AND VICE VERSA



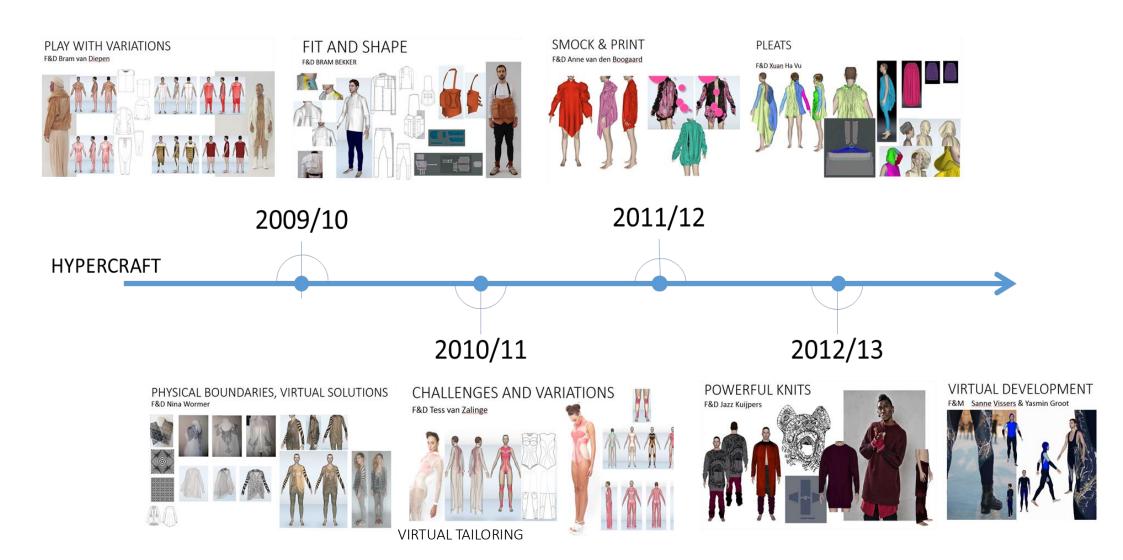


IMPLEMENTING NEW DIGITAL WORKING METHODS & RETHINKING THE FASHION INDUSTRY HOW THIS ALL STARTED AT THE DESIGN DEPARTMENT AMFI:





PREPARING THE FUTURE WITH AMFI'S 3D VIRTUAL TECH. GENERATION_WE RESEARCHED ALL!





2009 NEW IMPLEMENTED IN YEAR 3: DEVELOPING THE MINOR 3D HYPERCRAFT IS A FACT

FASHION & TECHNOLOGY:

3DVIRTUAL COLLECTION DEVELOPMENT & EXPERIMENTATION RETHINK FASHION IN A SUSTAINABLE, CREATIVE AND INNOVATIVE WAY



3D Hypercraft: Playing with reality

on february 10, 2014 in events, specialisations/minors

'It's as if I was in a computer game. Once you know the rules, you can play for hours', explains Design student Jennifer Droguett. This "game" is 3D virtual prototyping software developed by Lectra. Designing clothes with this technology can feel like playing a game with an avatar and is all part of the 3D Hypercraft programme at AMFI.



Last week AMFI organised the fifth Lectra Awards where nineteen students presented their work to a jury of industry professionals and Lectra representatives. The four pairs of Management students were briefed to design sportswear specifically for the bicycle brand Bio-racer. They chose their own target market and developed a concept around

2014

2014_NEW FINDINGS: THE 3D VISUAL RESPONS CREATES A MORE SELF STEERING PROCESS

3DHYPERCRAFT ITERATIONS & PRINTS & GIFS

3 OUTFITS IN REAL, AND ALL DEVELOPED 3D DIGITAL

MORE AND MORE ERRORS WITH LECTRA MODARIS, NOT FUTURE PROOF





2014/15 NEW FINDINGS: HYPERCRAFT 100% DIGITAL DEVELOPMENT OF THE GARMENT

BUT STILL PRESENTATIONS WERE TOO STATIC, HOW CAN WE BRING THEM TO LIFE AND GET RID OF THE ERRORS WHILE WORKING







DESIGN: SARAH MAYER, price winner Lectra Award



INDUSTRY: 2015_ATACAC: RETHINKING THE WAY TO DESIGN_PRESENT_SELL _PRODUCE GARMENTS



COMPANY

WHY WE DO WHAT WE DO AND HOW

Atacac is a Swedish based fashion studio founded by Rickard Lindqvist and Jimmy Herdberg. Atacac aims to redo the way to **design**, **present**, **sell** and **produce** garments.

DESIGN

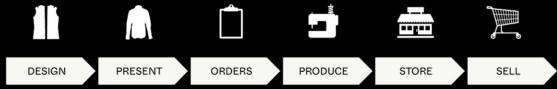
Atacac explores and develops an alternative model for designing garments that takes as its point of origin the actual, variable body. Instead of a static matrix of a rigid body, this kinetic garment construction theory starts out from balance lines and certain key biomechanical points on the body. For a deeper understanding of the design method please read the digital book Kinetic garment construction.

ATACAC RESEARCH_ https://issuu.com/rickardlindqvist

Kinetic pattern drawing, Virtual try-on systems, Open source, Shareware

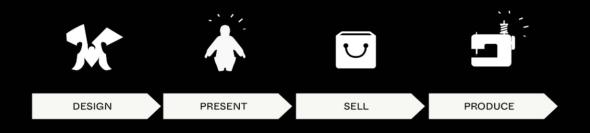


≈ 18 MONTHS



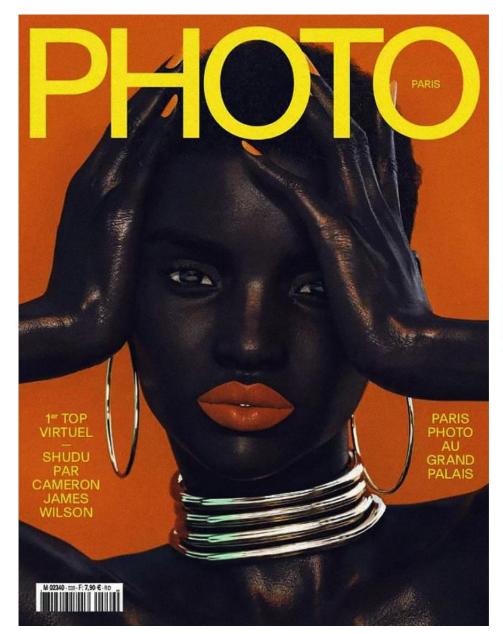
DIGITISED PROCESS

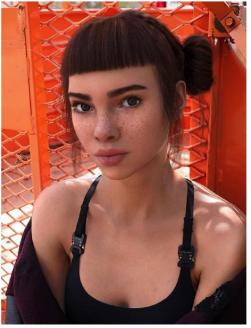
≈ 1 MONTH





INDUSTRY: 2017_THEDIIGITALS_HYPER REALISTIC 3D AVATAR_SHUDU_A 3D DIGITAL IDENTITY





Lil Miquela, @lilmiquela, (2019)



Carlings digital collection, (2018)

Models merge with the virtual environment - a new selling point - a 3D revolution

INDUSTRY: PRADA 2012_SHOWS HYPER REALISTIC 3D GARMENT SIMULATIONS_GAME RELATED



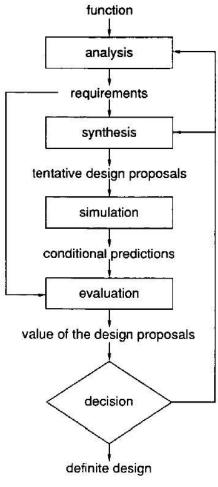
Prada, 2012.
Gets Playful With 'Final Fantasy' Produced for Arena Homme+2011, 2012 SQUARE ENIX CO.,LTD. Character Design: <u>Tetsuya Nomura</u>

Fashion is merging with gaming -a new fashion selling point- and a 3d revolution



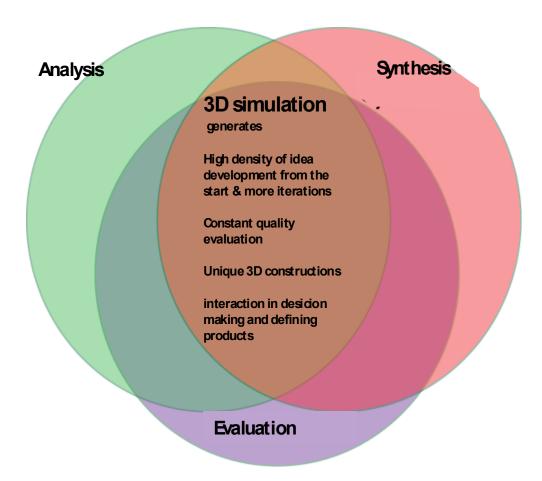
RESEARCH: THE IMPACT OF 3D VISUAL THINKING AND ACTING SHOWS A NEW DESIGN CYCLE

Topic Master thesis 2014: 'The influence of 3D simulation technology on the fashion design process and the consequences for higher education'



Traditional Design Cycle, Roozenburg, 20^{ste} century

Standaard voor Industrieël ontwerpen



3D Digital Design Cycle Ineke Siersema, 21^e century

The analysis and synthesis merge seamlessly,
Design steps are intertwined

RESEARCH: 3D VIRTUAL PROTOTYPING_IS SUSTAINABLE_WHAT DOES IT BRING MORE?

- Possibilities are promising but barely mapped (Grant&Hughes, 2013; Wallace, 2009)
- 3d cad in essence a tool for reducing costs (Wallace & Eksdale, 2013)
- Workflow and interaction advantages
- 3d simulation technology changes design methods and making processes (Salman, 2011)
- Bridging disciplines
- Impact of 3D on visual thinking, innovative attitude, change mindset
- More time for designing (Salman, 2011)
- New 3d digital craftsmanship deepens personal handwriting
- Re-think fashion, reduce samples and develop circular thinking, produce less.

As computer 3d modelling allows designers to think about the designed object(s), this enables designers to concentrate on decisions about objects rather than drawings.

(H.Salman, 2011)

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software

hardware

The main software we worked with to achieve the visual aspect of the application are Maya [5] for modeling and animation, CLO3D

[4] for designing 3D clothing and simulating fabrics, Unity [7] as a game engine for developing our ent and Made for rendering high quality imagery. We used Google Cardboard (Phone application) and Oculus

Rift [6] (computer application) as

head mounted devices for users to

xperience the show. The Oculus

Rift offers a better image qualience for the audience. The Xsense

notion capture suit [2] [3] and the

Kinect V2 as motion tracking and

capture devices [1] which provided us the motion data we used

RESEARCH 2015 IMPORTANT 3D BREAK THROUGH

Research in collaboration with Industry partners: Van der Velde Lingerie & Jacob Kok Visual artist

STUDENTS RESEARCHED 3D SOFTWARE (4), MADE A COMPARISON AND DETECTED CLO3D AS MOST USER FRIENDLY INTUITIVE DESIGN DRIVEN AND FUTURE PROOF

- 25% more time for the design process
- **Process more self-steering**
- Overview of the entire plan



SECOND SIGHT THE FIRST LIVE VIRTUAL FASHION SHOW

how can we use virtual simulation to make fashion design processes more sustainable?

how can virtual simulation help to extend the way of fashion presentation?



system

description

the virtual fashion show. It includes a re

designed Google Cardboard on Inv designed Google Cardboard, an invi-tation letter with instructions for putting tagether the Google Cardboard and a download link for a phone application, a joystick as interactive device to help them interact with the virtual environ-ment, and some earlplugs.

The virtual fashion show is in the for

mat of a phone application, currently only available for android phones. A user can download the application and

user can download the application and put the phone in the assembled Goo-gle Cardboard. By looking through the Google Cardboard, the user will enter the virtual environment created to dis-play the 3D garment designs. The loy-stick functions to walk around the virtual

space and the earplugs play the sound

The collection we are showing is called NOISE. Weird but recognizable this the clothes make you think of an existing connotation, but you don't see it that obviously. We are creating our own landscapes, and the virtual reality will be a reflect accd these flutual lass.

Everything is connected in such a way everything is connected in such a way that we tweaked reality to give people this harmonious experience trough sight, audio and navigation. All elements pre-sented are connected to the noise the human race created.

abstract

The two research questions (see above) brought us to the idea of providing you with the loter!, side at a create a virtual fash- owen if you have the newer!, the heart, the if. it is idea to areate a virtual fash- owen-igned. Although todays' fashion ion show as an inspiration for young designers for showing much like they were at the time of these their work and as a poten-first ruwway show in 1885. merr work and as a potenintel commercial solution for Today's generates of frablen designfrashina companies to create en shows a desire se redefit feathin
a more sustainable design one and locab Kak critically engage
process. The virtual fashion will dest that are solvely embodshow will also be a solution led by fashion that they are like lows,
for people that want to be more to be broken. The project has
involved in the fashion world. They can watch the show from vide them with new ways of pres their homes or anywhere they are. We experimented with Many blg fashion companies are look new technologies to explore legistromes are looknew ways of designing and much potential in helping those compapresenting fashion. Technolog legistromes and festivations and festivations and festivations. presenting fashion. Technolo-qy helped us achieve options never used before in fashion Virtual fashion leads to less overpro-

context

their collections

acknowledgment

Margreet Riphagen Jacob Kok Christel Aarts Tamara Van Camp Ineke Siersema Freark Broersma Sandra Kuipers Laura Duncker Daniel Seo Lisette Vonk Hein Daanen Mieneke Roose Paul Riinierse Wensley De Kom

conclusion

From our research in 3D fashion have concluded that there are many possibilities to provide

Many programs are in the verys firt state of their development so they are not very friendly to use yet. With those companies see ing the potential of 3D technoloay in some new areas such as the fashion industry, the software are maturing as they grow. The user interface becomes more friendly and the communication between

achieve the level where we are of experience and knowledge during our project developmen which can be very helpful to sim

Naybe the 3D modeling software will inspire companies to rethink Michael Lovett

more people to get together and use 3D modeling and fashion to experiment. It's not only about only being creative it's also about adding values



Yang Cen Kaveh Khorramian Jurrien Mayrahn We hope this project will inspire Sophie Schaminée

Liesbeth Schillemans

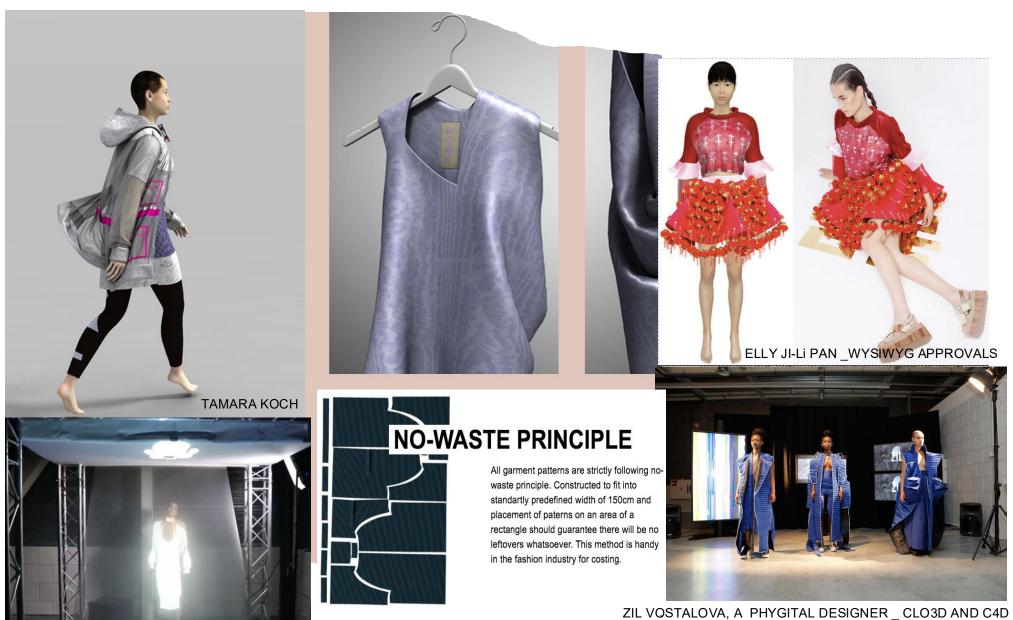
Suzanne Van Schie

references

http://medialab.hva.nl/3dfashion/

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AMFI_ALERT! _2016/17 _4_GRADUATES SHOW THEIR DIGITAL / PHYGITAL COLLECTION



'Designers should adapt digital sample to reduce waste'

00000

Co-funded by the European Union

2016_WE WANT TO CREATE VALUE NOT ONLY PRODUCTS

RETHINKING FASHION EDUCATION



2012/2014 85.3 CM* | Updaned 2012/2017 85.3 CM* |



Fashion students join forces to call for a transformation of the industry at large.

I'm so sick of the word sustainability'



As this change bubbles just below the surface, education must step up to the plate and acknowledge the profound moral responsibility it has in shaping the future of fashion.



STOP BUSINESS AS USUAL

Reforming our values

Despite its dubious reputation, fashion has a magnetic pull, and each year thousands of hopefuls apply to fashion universities, eager to be a part of the thriving \$1.5 trillion USD industry.

There is an undeniable pressure on universities to ensure that graduates are fully equipped to step into the commercial world of fashion. However, today, more than ever, fashion universities must ensure that they are not training students for, what many perceive as the sinking ship that is 'business as usual'.



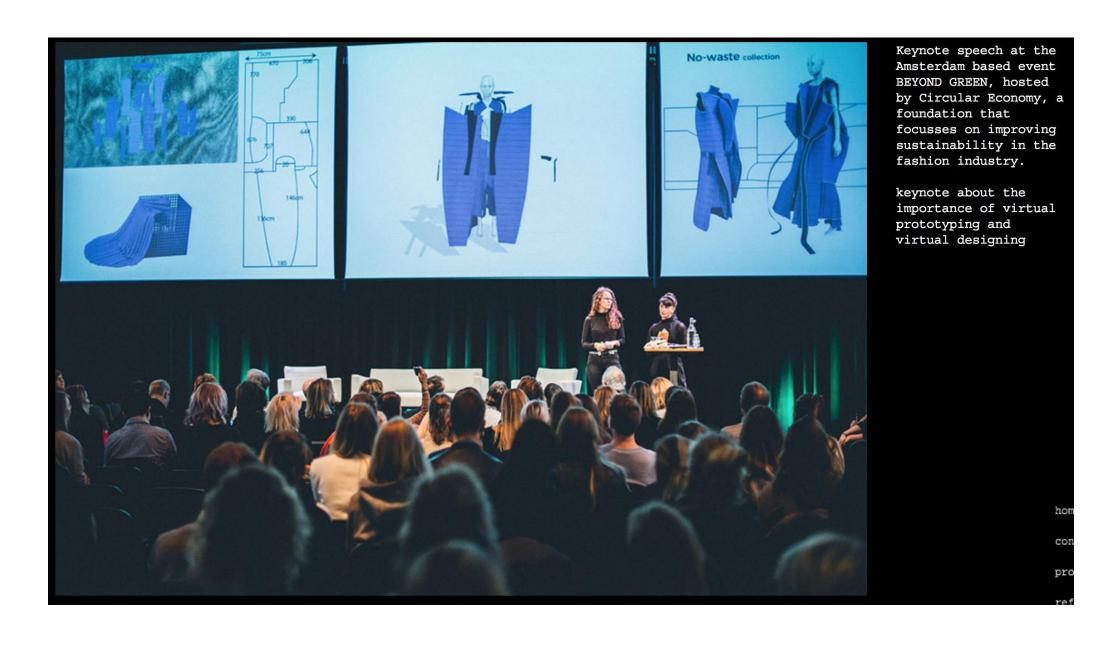








2017_STUDENTS ARE INVITED AT Beyond Green to show how to improve sustainability in Fashion



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2016_NEXT STEP: VIRTUAL REALITY IN OUR NEW EXPERIENCE ATELIER



WHO ARE WE

Students who work together with teachers, researchers, Industry, interns, minor- and graduate students from:

- -Amsterdam Fashion Institute (AMFI),
- -Communication & Multimedia Design (CMD),
- -Media, Information and Communication (MIC),
- -Information Communication Technology (ICT),
- -Interaction Engineering,
- -Graphic design & communication,
- -Architecture.

COMMUNITY OF PRACTICE

In the VR/AR atelier, we work closely together with the industry on complex problems.

The minor and atelier are set up as an education innovation and is therefore focused on the themes:

Agile & sprints- process coaching- expert meetingscourses- masterclasses & workshops

Presenting a working prototype and exposition.



[&]quot;Getting & bringing",

[&]quot;interdisciplinarity",

[&]quot;personal learning",

[&]quot;thinking & doing".

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NEXT STEP_RESEARCH COLLABORATION WITH THE INDUSTRY_ DISCIPLINES MEET



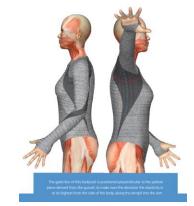


Although the companies' requests widely differ, the question that have to be asked are often the same:

- -What's the story you like to tell?
- -How do we interact?
- -How do we create an immersive experience?
- -What is already out there
- -And what can we adopt?











2016_MINOR INDIVIDUALS_RE-SEARCH_RE-CREATE HERITAGE_& UNIQUE PIECES (Duals AW12)









VIRTUAL EXPERIENCE

CLO3D/ DUALS selected heritage pieces

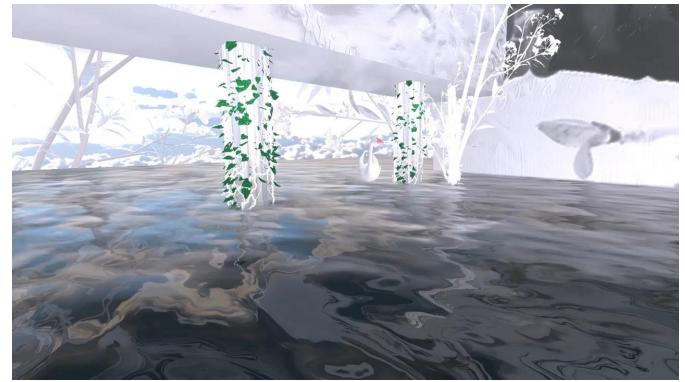


http://www.amsterdamcreativeindustries.com/project/virtual-fashionexperience

2017_NEW: BRIDGING STUDY PROGRAMM_MINOR VR MEETS MINOR 3D HYPERCRAFT!



Ferry Schiffelers Pip van Balhuizen







Marlies Reukers

Minor VRE and Hypercraft In collaboration with Ensemble de Solution

To be a relevant designer today means ignoring rules of existing disciplines, structures, systems and behaviour. Instead responding with astute observation to form intelligent strategy to frame how to approach a design opportunity and social issue. Adam Peacock

2018/19 GRADUATION WITH NO PHYSICAL PROTOTYPE_FROM REAL TO VIRTUAL AND VICE VERSA





Collage modular design experiments

WYSIWYG

3D digital Designs as Toile de luxe (CLO3d)



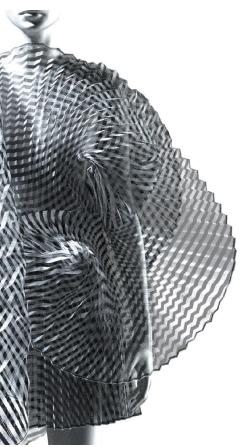
No sample made, directly realized in real with Toile de Luxe files (CLO3d)



MORE ABOUT 3DHYPERCRAFT & DIGITAL CRAFTSMANSHIP

THE AMFI MINOR WHERE STUDENTS EXPLORE THE DIGITAL WORLD OF FASHION. A RIDE INTO THE FUTURE OF THE FASHION INDUSTRY IS MADE BY EXPERIMENTING WITH DIFFERENT SOFTWARE APPLICATIONS THAT PROVIDE IN-DEPTH KNOW HOW, GREAT DESIGN AND TECHNICAL SKILLS. ALL TO PREPARE FOR THE EVENTUAL.







_AVATAR _ FABRIC MANIPULATION _ TEXTURING _ AUTOMIZATION _

work from students 3DHypercraft 2021



"Through the combination of traditional and innovative digital craftmanschip, the hyper-crafts, a new generation designers is born" (Grant & Hughes, 2013)







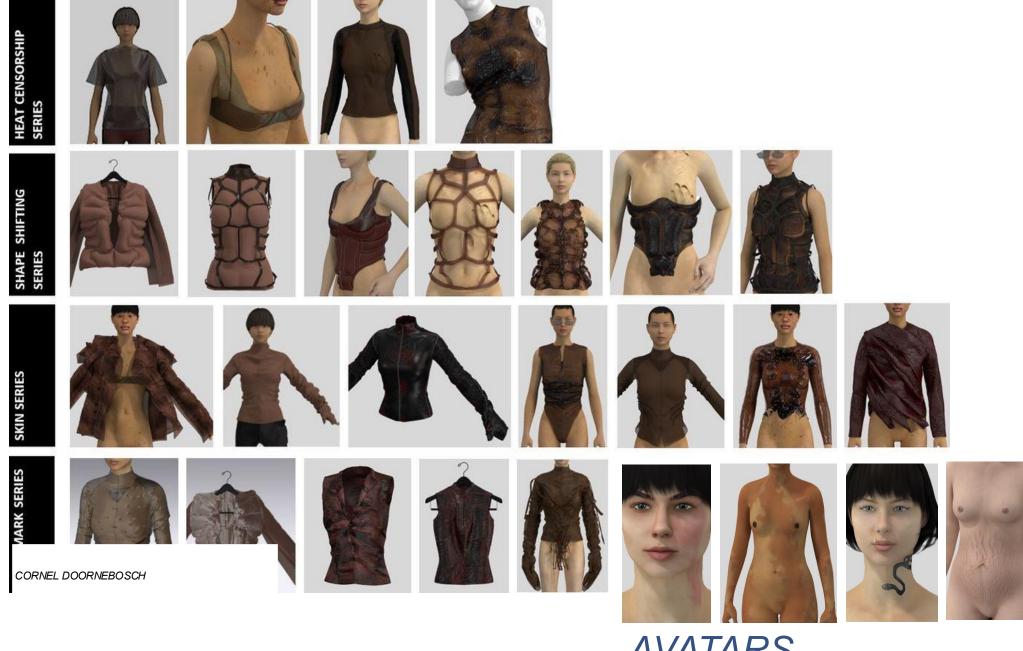


TEXTURE LIBRARY

- Bumps
- Burn Scars
- Stitches Moon
- Stitches
- Hand Palm
- Stitches Kombucha
- Kombucha
- Large Spots
- Skin Structure
- Pores
- Folds
- Veins
- Glass Bumps



CORNEL DOORNEBOSCH



PURCHASE

REIMINAGED CORSET,

AND

MASK

ON VRTLSX.COM

THE DIGITAL MUSE LGBTIQ+ Collection 3D HYPERCRAFT 2021

Romy Sterken divers media_2019

- 02 -

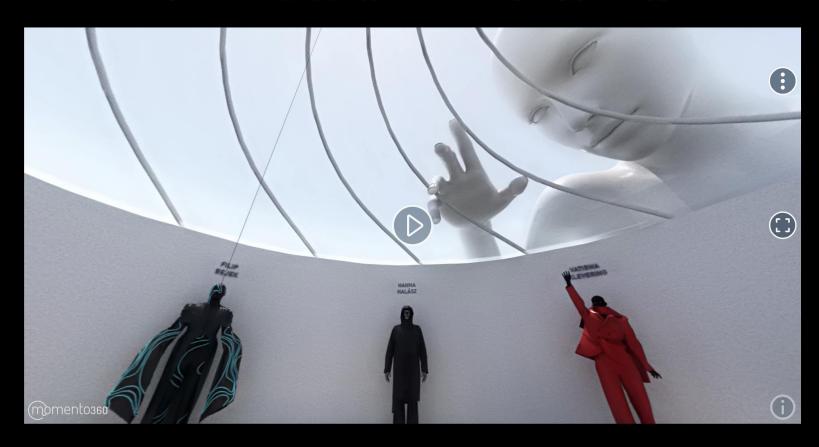
HYPERCRAFT 2020

HOME

VIRTUAL SHOWROOM

MEET THE CREATORS

More



HYPERCRAFT EVENT ONLINE

https://ejcvg8.wixsite.com/hypercraft2020







2018_NEW IN YEAR 2: DEVELOPING 3D DIGITAL CRAFTMANSHIP WITH THE INDUSTRY EXAMPLES: CLO3D_DRAWING--CREATING IN REAL--RECREATE IN A DIGITAL TWIN





















LOTTE VAN STIJN





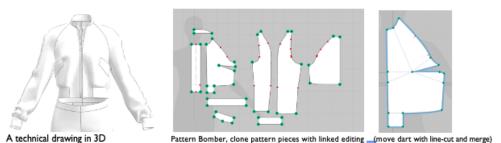


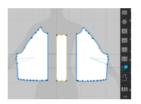
NEW TEACHING MATERIAL_ BLENDED LEARNING_ SELFSTUDY_LEARNING BY DOING

LESSON 3: Bomber, alter patterns, add bonding, express ribbing and add zipper



- *Exercise*: Assemble the Bomber: use pattern BOMBER JACKET 38.dxf
- -Open first the 3D simulated trouser from last week and then add the Bomber pattern. Bomber pattern:
- Duplicate arrange and organize your patterns in the 2D screen.
- Move the dart to the sleeve or to mid front or neckline, as you prefer (first make a clone reference line)
- Now you can synchronize 2D arrangement in the 3D screen (picture 6 below)
- Activate the blue Placement points for quick and best position on the avatar and stitch the patterns together









picture 6

Where needed clean up the pattern:

- -Convert anchor points to curve points where possible.
- -Delete all useless points and add notches where needed

Create internal lines and 2 new options:

- -Use the Trace tool: to activate internal lines
- -Place an internal line for the pocket flap, we only stitch the flap in it's place no lining yet.
- -Remove the seam in the back panel by using -Merge-
- -Use -Unfold- to double the pattern piece for the collar

I-*Study material*

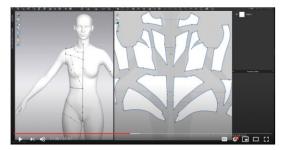
A-3D Pen garment- draw on the 3D garment and edit pattern

In this tutorial you will learn how to use the 3D Pen tools to draw on an existing garment. https://www.youtube.com/watch?v=v2AUI9gKWuA



B-3D Pen Avatar- draw on the 3D body, use flattening and edit pattern

In this tutorial you will learn how to use the CLO Flattening tools. These tools allow you to draw and design patterns and seams on an Avatar and extract them out to create garments. https://youtu.be/6nKITXUtP0





MIRO TUMBLR

TOOL BOOK





NEW WORKING METHODS_NEW TEACHING MATERIAL_NEW ASSESSMENT CRITERIA

THE FABRIC _ TEXTURING _ CONSTRUCTION _ SEAMS _ FINISHINGS

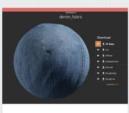


VISUAL PROPERTIES

-OPTIMIZE YOUR PICTURE IN PHOTOSHOP & GENERATE TEXTURE-, NORMAL-, DISPLACEMENT- AND ROUGHNESS MAP

https://cpetry.github.io/Norm alMap-Online/

https://www.vizoo3d.com/



TRUE_TO_LIFE
TEXTURING USES
DIFFERENT "MAPS" TO
SHOW 3D REALISM
sites:
TEXTUREHAVEN.com
https://3dtextures.me/ca

tegory/fabric/ PIXPLANT.com

TEXTURE MAP_ REFERENCE TO REAL



NORMAL MAP, FOR THE 3D RELIEF



DISPLACEMENT MAP, FOR THICKNESS? VOLUME



ROUGHNESS MAP, FOR LIGHT REFLECTION THE FABRIC _ TEXTURING _ CONSTRUCTION _ SEAMS _ FINISHINGS



POSE THAT SUIT'S THE CONCEPT

SEAMS_ FINISHINGS_STYLING



SEAMS, FINISHINGS, CLOSURES AND MATERIAL SPECIFICS MUST BE SHOWN IN A CONVINCING MANNER BEST PROPORTIONS IN ALL DETALS



ADD STYLING INFORMATION, HOW TO WEAR IT





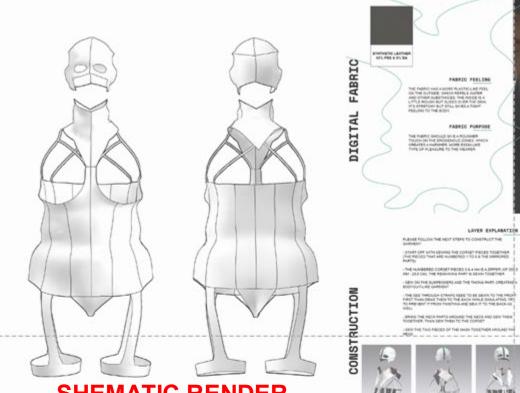
IMPORTANT DETAILS tell THE STORY OF YOUR GARMENT

ARE YOU READY FOR THE INSIDE STORY?

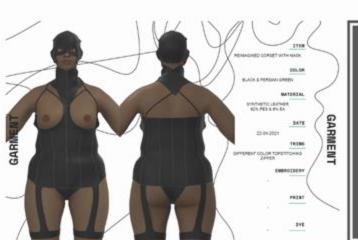


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NEW COMMUNICATION METHODS TO COMMUNICATE PRODUCTION DEVELOPMENT











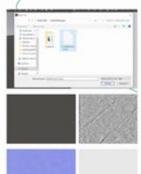






CONSTRUCTION









SYNTHETIC LEATH PLEASE FOLLOW THE NEXT STEPS TO USE THIS DIGITAL

- ADD A BLANK FABRIC TO YOU **OBJECT BROWSER**

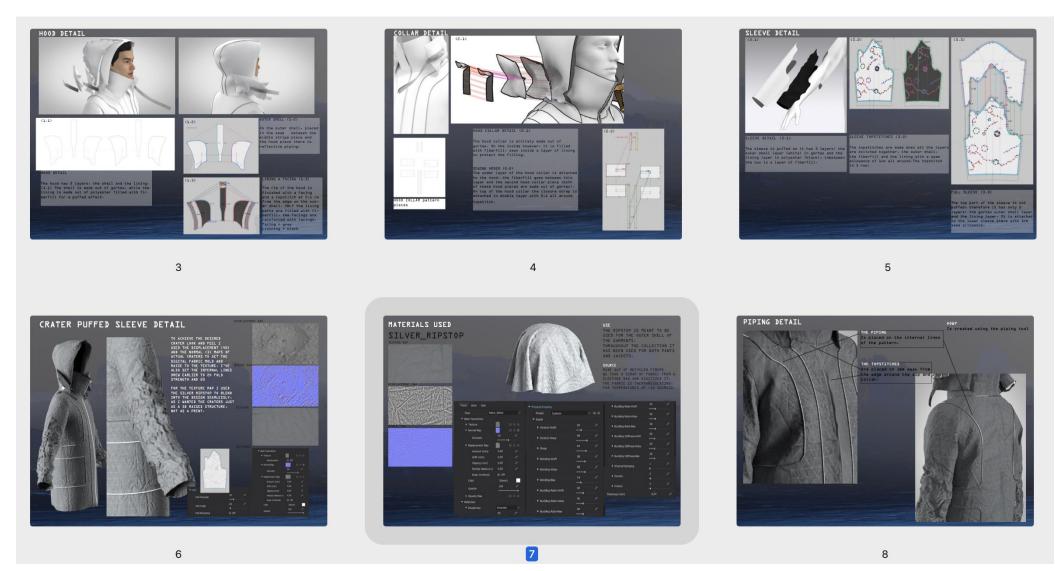
MATERIAL:

- RIGHT CLICK ON THE FABRIC CLICK 'IMPORT (ADD); CHOOS THE ENCLOSED XTEX FILE
- WHEN YOU'RE UNABLE TO ----ADD THE XTEX FILE, USE THE TEXTURE, NORMAL. DISPLACEMENT & ROUGHNES MAP AND PUT THEM IN THE PROPERTY EDITOR
- MAKE SURE THAT THE PHYSICAL PROPERTIES ARE THE EXACT SAME AS THE ONE ON THE PICTURE



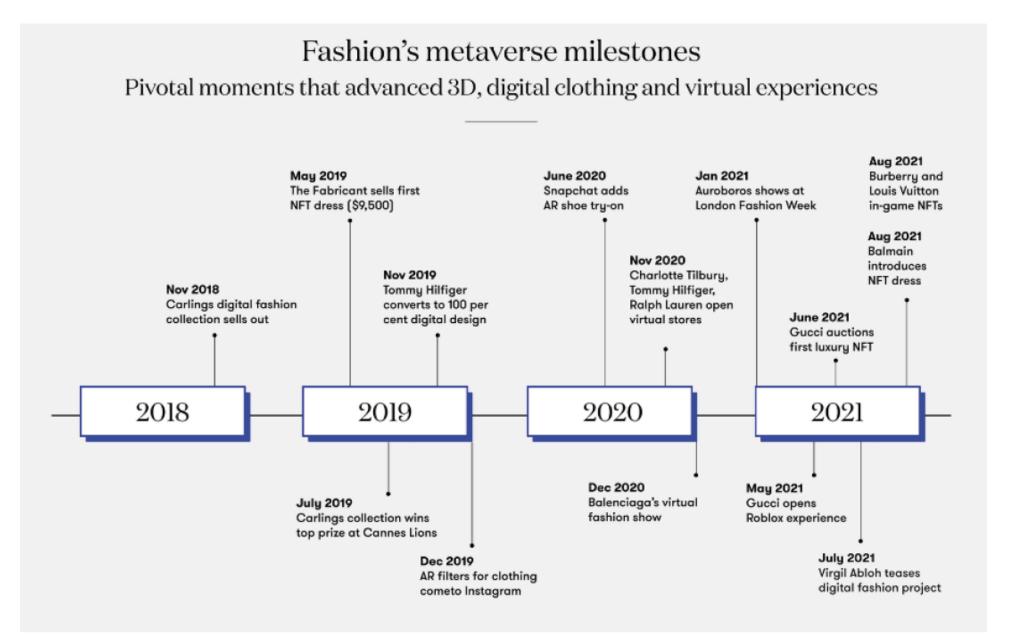


NEW COMMUNICATION METHODS TO COMMUNICATE PRODUCTION DEVELOPMENT



REF: CRISTINA CODREANU





NEW VOCABULARY AND NEW PRINCIPLES OF MAKING



Combining traditional pattern-cutting craft with the creative work of a fashion designer.

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NEW VOCABULARY AND NEW PRINCIPLES OF MAKING

PARTICLE DISTANCE

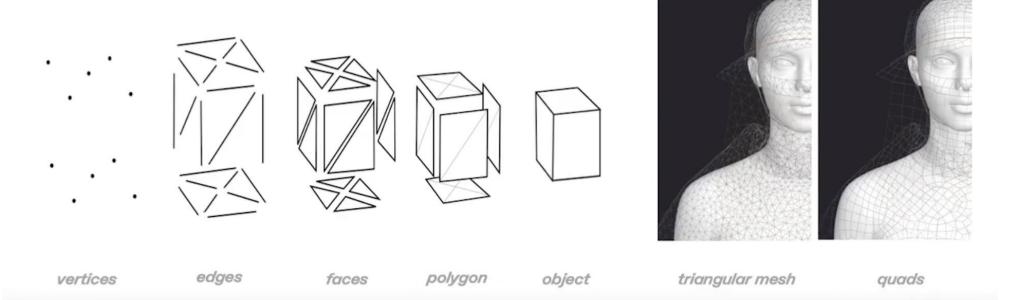
Particle distance determines the size of the polygonal mesh.

What is a polygonal mesh in 3D modelling?

Polygonal mesh is a collection of vertices, edges and faces that all together define a shape of 3D object. Faces consist of triangles (triangle mesh) or quadrilaterals (quads).

The lower the number of particle distance is the more realistic folds the fabric has. Low resolution garment (high number of particle distance).

High resolution garment (lower number) can slower down simulation. Usually this step is done when finalising the design.





THE FASHION INDUSTRY NEEDS SKILLED PEOPLE _AMFI INTERNS & GRADUATES WORK AT:

-PTTRNS

-PVH_STITCH

-ATACAC

-ADIDAS

-H&M

-BURBERRY

-GYZMO-LAB

-SCOTCH EN SODA

-VIVIENNE WESTWOOD

-THE FABRICANT

-PIXELPOOL

-INDG

-THE NEXT CARTEL

-THE FABRICANT

-G-STAR

-HUGO BOSS & more....



A CASE STUDY WE DEVELOPED WITH BURBERRY



DIGITAL PRODUCT TWINS

IN 2017 WE LAUNCHED THE DIGITAL PRODUCT TWINS
PROJECT AT BURBERRY TO INTRODUCE DIGITAL
PRODUCT CREATION ACROSS MULTIPLE AREAS OF THE
BUSINESS

KEY MEMBERS OF THE CAD, I.T, PRODUCT ENGINEERING AND CGI DEPARTMENTS FORMED A PROJECT TEAM, AND HAVE BEEN WORKING TOGETHER TO INTEGRATE NEW WAYS OF WORKING THROUGH THE USE OF 3D TECHNOLOGY

BY HOLDING WORKSHOPS WITH THE AREAS OF THE BUSINESS IDENTIFIED TO BENEFIT FROM DPC WE WERE ABLE TO ESTABLISH THE BENEFITS AND RISKS AND CONSTRUCT A CLEAR 3 YEAR ROADMAP

TYPES OF 3D ASSET

DIGITAL TOILE

- CORE AVATAR
- OUTER SHELL SINGLE LAYER
- FACINGS WHERE APPROPRIATE
- LINING WHERE APPROPRIATE
- ELASTIC WHERE APPROIPRIATE
- CORRECT FABRIC PROPERTIES
- DRAWN DETAILS
- PARTICLE DISTANCE 20
- FASTENINGS STITCHED
- COLLISION 2.5 MM



DIGITAL PRINT ASSET

- CLO3D BURBERRY AVATARS
- OUTER SHELL AND ALL PRINTED PATTERN PIECES
- CORRECT FABRIC PROPERTIES
- PARTICLE DISTANCE 20 MM
- ELASTIC DEPENDING ON PURPOSE
- FASTENINGS STITCHED
- COLLISION 2.5 MM



WORKING 3D ASSET

- AVATAR TO BE SPECIFIED
- OUTER SHELL SINGLE LAYER
- FACINGS
- LINING WHERE RELEVANT TO FIT
- BUTTONS
- BUTTONHOLES
- ELASTIC
- BOND/SKIVE
- CORRECT FABRIC PROPERTIES
- TEXTURE
- PARTICLE DISTANCE 10 MM
- COLLISION 2.5 MM



DIGITAL TWIN

- CORE AVATAR
- OUTERSHELL ALL LAYERS
- FACINGS
- LINING
- BOND/SKIVE
- BUTTONS
- BUTTONHOLES
- ELASTIC
- TOPSTITCHING
- CORRECT FABRIC PROPERTIES
- TEXTURE
- PUCKERING
- PARTICLE DISTANCE 5 MM
- COLLISION 1 MM





2017 BURBERRY STARTS DIGITALIZATION IN 3D

DIGITAL PRODUCT CREATION EXAMPLES IN BURBERRY





PROVIDING REALISTIC VISUALS TO ENABLE FASTER DECISION MAKING BY DESIGN TEAMS



PRODUCT ENGINEERING

PRINT ENGINEERING REDUCING FABRIC CONSUMPTION ACCURATE PRINT PLACEMENT REDUCING NEED FOR MULTIPLE SAMPLING



CAD TEAM

HIGH QUALITY PRODUCT VISUALS CREATED OF ALL RTW STYLES

SUPPORTING MERCHANDISING AND WHOLESALE TEAMS



MARKETING

CREATING REALISTIC AND HIGH QUALITY IMAGES FOR USE IN SOCIAL MEDIA AND MARKETING CAMPAIGN VISUALS

20/21_NEW CURRICULUM_DESIGN THE FUTURE FOR & WITH THE INDUSTRY



G29_G30_NDIVIDUALS_Recent Toys_Suits by George Pisa_SUITS
G31_ 20/21_Corona_RED AND BLUE_Statement collection_Texture developments_Avatar identity and development NFT
Ref: https://amfi.nl/nl/home-nl/





NEW CURRICULUM_SUMMER COURSE FROM 2019_FOR PROFESSIONALS & STUDENTS BOOTCAMP

ARTICLE: https://fashionunited.nl/nieuws/mode/studenten-amfi-s-digitale-mode-programma-over-de-toekomst-van-duurzame-productie/2022072254213

Virtual Fashion Design: THE NEW REAL



-LEARNING OBJECTIVES

By the end of this course, you will be able to:

- •• Develop in a small group NO Plan B, a future fashion company concept with new technology and 3d virtual fashion.
- •• Translate ideas and vision into free-style experiments and digital end products, relate them to fashion, technology and industry.
- •• Create a digital twin according to a physical existing garment relate to fashion, technology and industry.
- •• Use your knowledge of traditional craftsmanship for garment realization in 3D virtual prototyping, research how they are related.
- •• Build up knowledge about contemporary and creative technology in fashion and develop ideas on **sustainability from design to end product**
- •• Work in an organized manner and communicate the learning process individually and as part of a team.
- •Obviously, the level of process and (end) products will relate to the student's mindset and skill-set on arrival.

Course 2024 is from 1 July – 12 July

CREATING TOMORROW



GRADUATES DESIGN A BROAD RANGE AND OF NEW RESEARCH TOPICS_MAKING THE CHANGE



THIS _ IS _ THE CLOTHING _ COL WITH _ ZERO _ IN ON _ THE _ ENVI

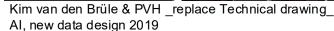


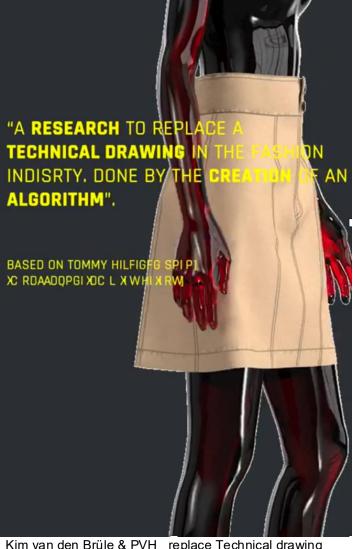
Amber Jae Slooten Al_Algoritms_2016



Allison Murray 2020 A Digital Fashion Care Label_Digital waste









https://thenextcartel.com/discover/into-the-future-of-fashion-crypto-fashion-week-recap



GRADUATES_CREATE AND DEFINE THEIR NEW ROLES IN THE CHANGING FASHION INDUSTRY



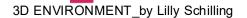


PHYSICAL | DIGITAL



A DIGITAL CAPSULE HELPING ONE'S SMOOTH TRANSITION FROM OFFLINE TO ONLINE, YOUR







ENTREPENEURS: THE FABRICANT: FIRST DIGITAL COUTURE HOUSE_AMSTERDAM_2018



"We make clothes that are always digital, never physical." Amber Jae Stooten _AMFI graduate

ENTREPENEURS: GRADUATES FIND THE NICHES: GIZMO_LAB, AN ENSEMBLE OF 3D CREATORS



MBPFW Drive-in Cinema, from Jateční street

IIMATED CATWALK

DIGITAL IDENTITIES

DIGITAL FASHION



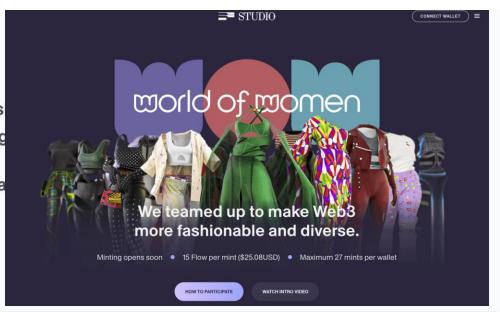
ENTREPENEURS: WE BUILD A NEW FASHION INDUSTRY WHERE EVERYBODY PARTICIPATES & PROFITS

THE FABRICANT STUDIO

is a platform where anyone, anywhere can become a digital fas By 2025, 100 million people will be metaverse-ready by wearing

We are building a decentralized Fashion House that will dress a and sustainable fashion industry.

Explore The Fabricant Studio platform HERE.



Community_learning_Feedback users_Co-create_Experience_Enjoy_Marketplace



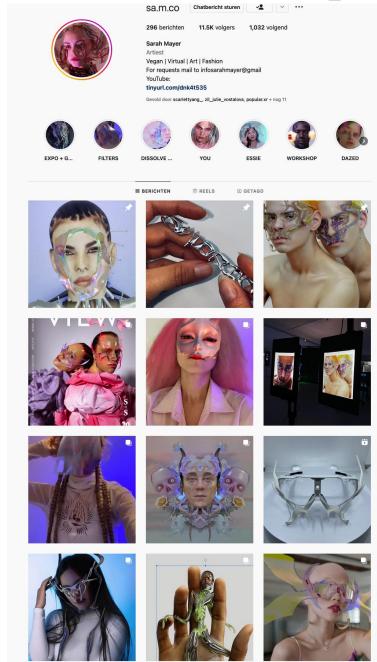
THE FABRICANT SEASON I TRAILER VIDEO

Season 1 was open for minting for early community members who are passionate about the future of digital-only fashion. Minting closed on the 21st of February 2022, at 11:59PM CET.

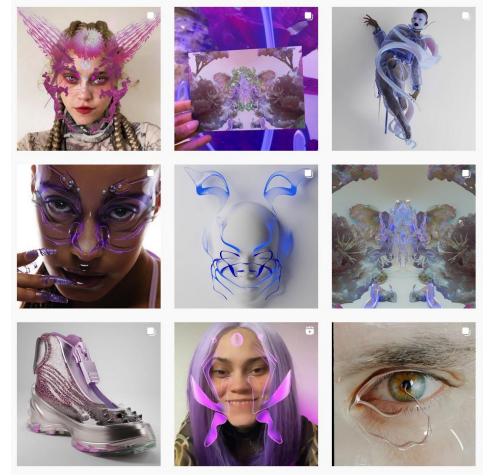
Season 1 items can be bought HERE on our marketplace



ENTREPENEURS: SARAH MAYER_VEGAN_VIRTUAL ART_FASHION_AMFI GRADUATE_2015



Sarah has been studying fashion for 7 years. 3 years in Germany and 4 Years at the Amsterdam Fashion Institute, Netherlands. A big influence during this time was her internship at Walter Van Beirendonck. He continues to be a inspiring figure and motivation. Sarah's recent work is focused on the creation of innovative AR Filter designs with the help of Spark AR for Facebook and Instagram as well as Lens Studio for Snapchat with a total view of over 50 Million for her Filters.



Main software: Lens Studio, Spark AR, CLO3d, Blender



ENTREPENEURS: HYPER CURVE STUDIO_ROSA KRAMER_AMFI GRADUATE_2017

MODERN CRAFTMANSHIP

Specialized in the future of **BODYWEAR**

Main goal: Digital sensuality for Lingerie We create our own Avatars on our exact size and in exact proportion.

Involved in research and developing Soft tissue Avatars -3 full-timers, 2 trainees, free-lancer's artists, 2x3D designers

Methode: patterns and flattening tool, we draw patterns on the body with 3D pen.

Main software: CLO3d, Vizoo,

-Browzwear/ V-stitcher for some company's, animation.



Ref: https://hypercurvestudio.com/

3D SERVICES









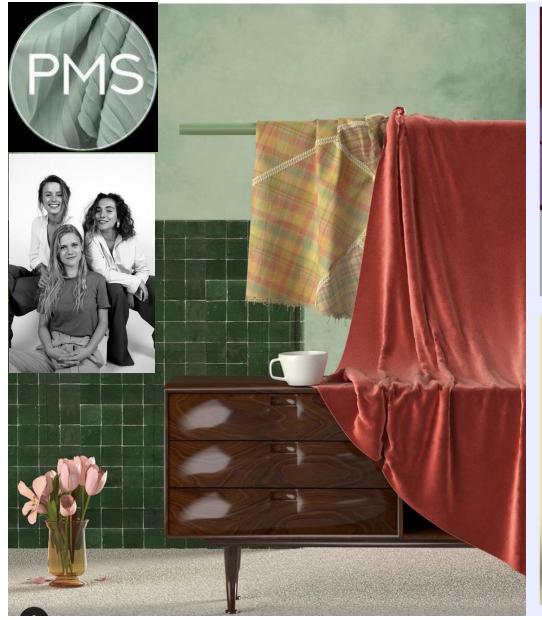
3D ATELIER 3D CONCEPTS

3D BODY MODELS

3D LAB



ENTREPENEURS: 3D STUDIO PMS_2022_FASHION & TEXTILES







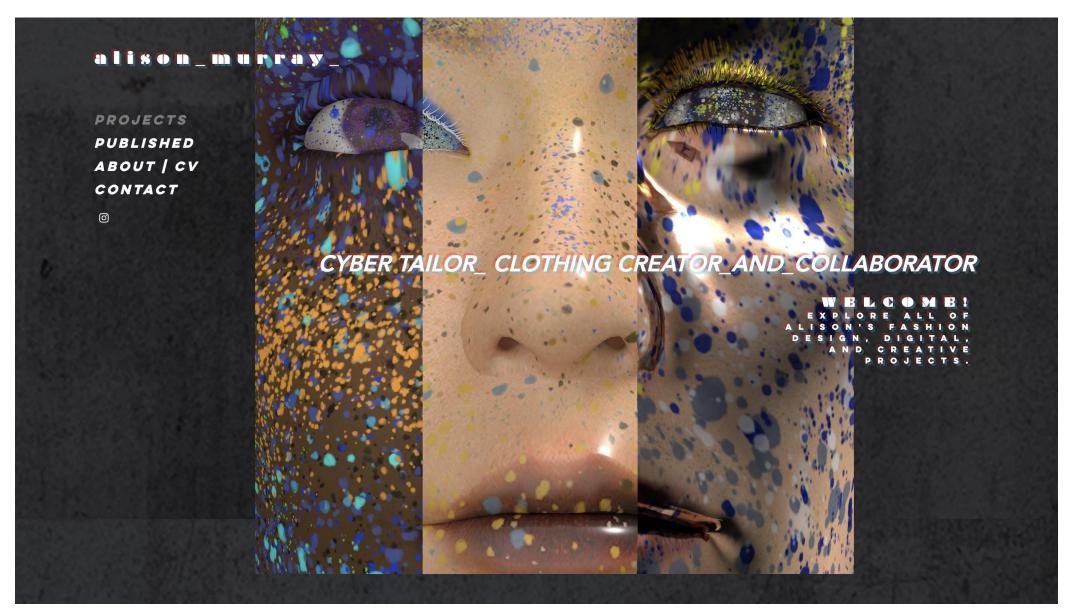




https://www.showstudio.com/contributors/studio-pms

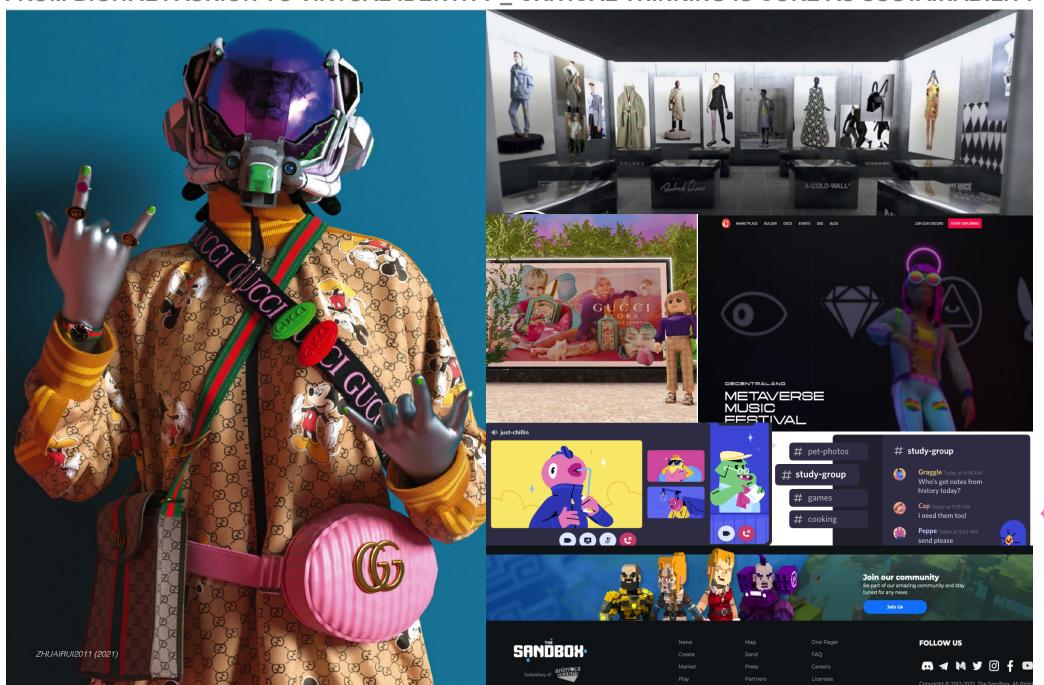


ENTREPENEURS: GRADUATES_CREATE AND DEFINE THEIR NEW ROLES IN THE CHANGING FASHION INDUSTRY





FROM DIGITAL FASHION TO VIRTUAL IDENTITY _ CRITICAL THINKING IS CORE AS SUSTAINABILITY



transiti***ns**