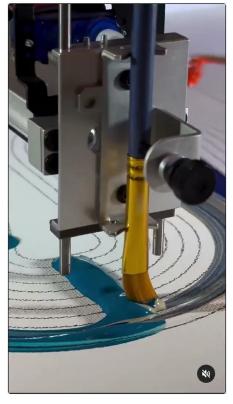
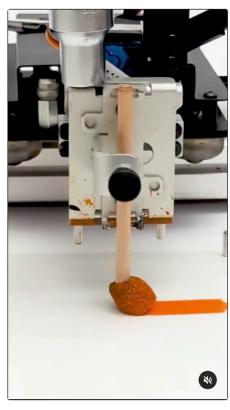




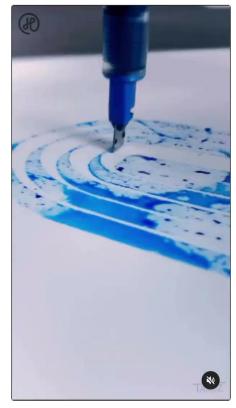
Robots_2stClass_Complex_Drawing







https://www.instagram.com/p/CwdUBlEsnyE/



https://www.instagram.com/reel/CpvOiz DiiD/

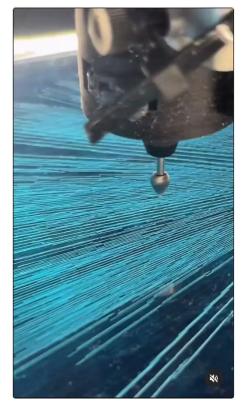
Stroke design control - through material, code and end effector.







https://www.instagram.com/p/CV_LDM9hki4/



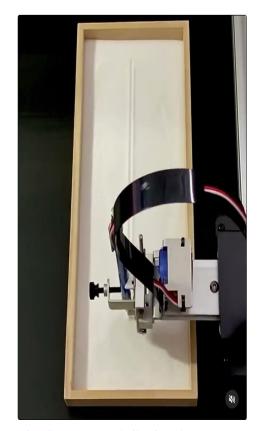




https://www.instagram.com/reel/C3yZ7hUvM5a/



https://www.instagram.com/reel/CthkHoHLxg4/

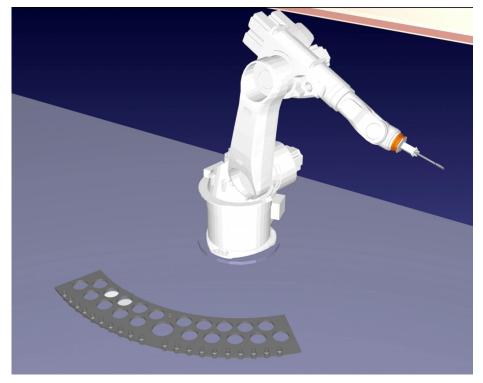






https://gramaziokohler.arch.ethz.ch/web/e/lehre/211.html



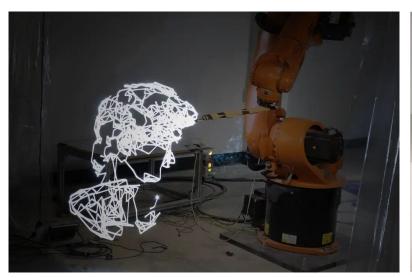


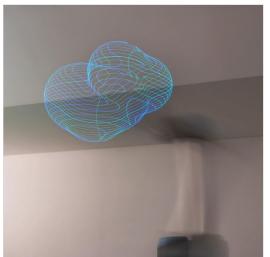
https://robodk.com/blog/lights-out-robot-painting/

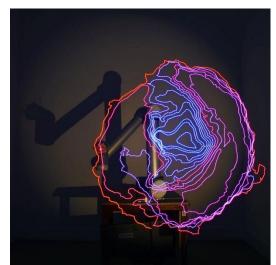




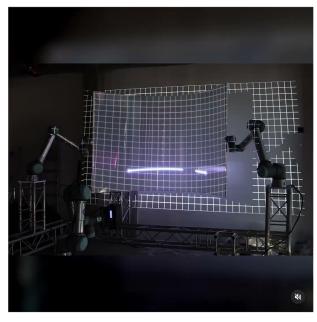
https://www.jordan-ariel.com/paintedbyeveryone

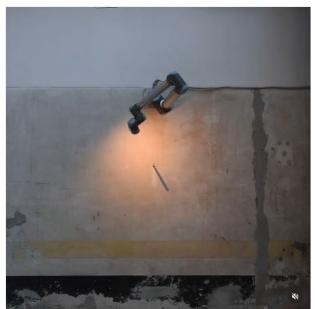


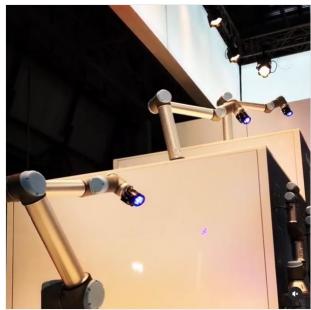




https://jonathanmalott.com/portfolio.html?id=0





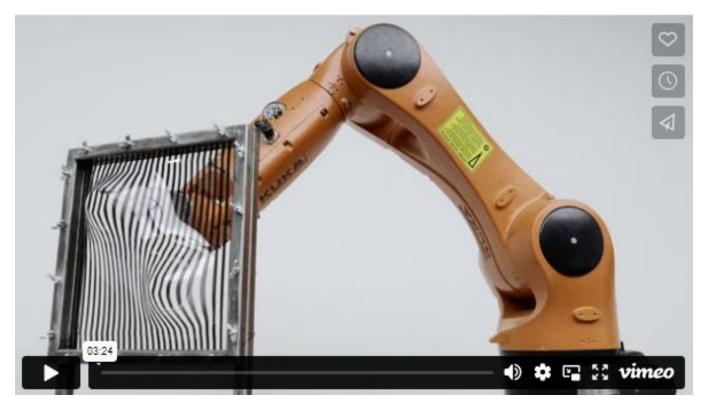


https://www.instagram.com/p/Cj71LEHjoYr/









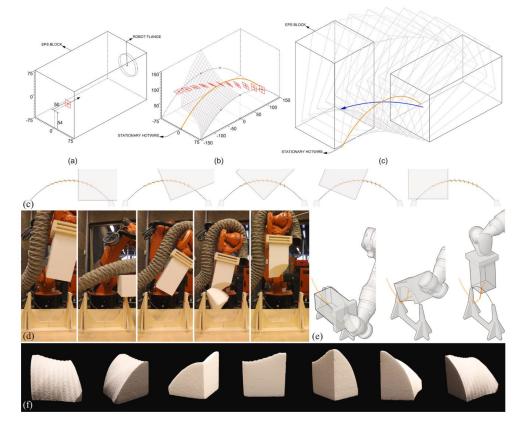
https://vimeo.com/132981872



https://www.ammarkalo.com/Incremental-Sheet-Metal-Forming







https://www.designcoding.net/non-linear-robotic-hotwire-cutting/

https://www.designcoding.net/robotic-arm-in-basic-design-studio/

https://www.designcoding.net/robotic-fabrication-student-project-microwave/





https://www.instagram.com/p/BFt5WUhArcU/

https://www.formlab.schoolofarts.be/instructions/doku.php?id=ur10_robot_arm:ur10_robot_arm



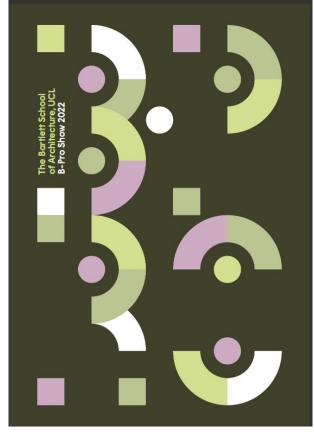
https://www.instagram.com/p/CEXDb5ml5q6/



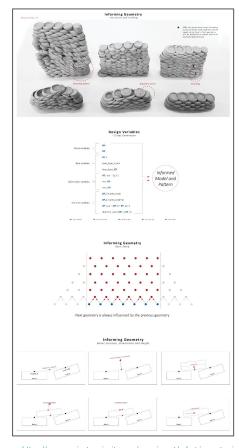
https://penplotterartwork.com/blog/2021/11/06/beyond-the-pen-plotter-art-made-with-paint-sand-more/



https://www.universal-robots.com/blog/counter-productive-robotics-artists-use-ur10-robot-to-accomplish-the-impossible/







https://www.project-curiosity.com/experiment/robot-impact-printing-clay

HABITS ()F THE ANTHR()P()(ENE









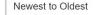




http://www.acadiacaadria.org/

FABRICATE

A triennial series of conference publications that began with 'Making Digital Architecture' in 2011 at The Bartlett School of Architecture, University College London. Each FABRICATE conference and book evolves from an open call for 'works in progress', with a submission deadline ten months prior to the conference. The call is designed to attract submissions from industry and practice as well as academia, and asks for an abstract on the trajectory of the work, including where it will be by the time the conference takes place. Selected projects are then invited to resubmit full papers for a second round. The conference theme emerges during this phase, while papers are also categorised into notional sub-themes.















Fabricate 2024

Fabricate 2024: Creating Resourceful Futures is the fifth volume in the serie...

Fabricate 2020

Fabricate 2020 is the fourth title in the FABRICATE series on the theme of di...

Fabricate 2014

FABRICATE is an international peer reviewed conference that takes place every...

Fabricate 2011

FABRICATE is an international peer reviewed conference that takes place every...

Fabricate 2017

Bringing together pioneers in design and making within architecture, construc...

https://www.uclpress.co.uk/collections/series-fabricate

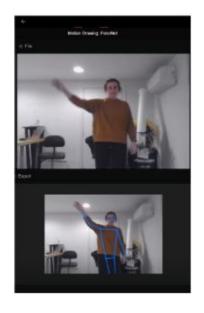
Construct Points in GH

Curves

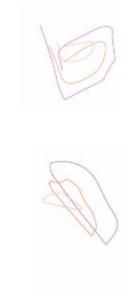
Filter

Pen Type

Machina > UR10

























16.5 - Intro to Robotic Fabrication in Architecture - 3D Robotic Movement

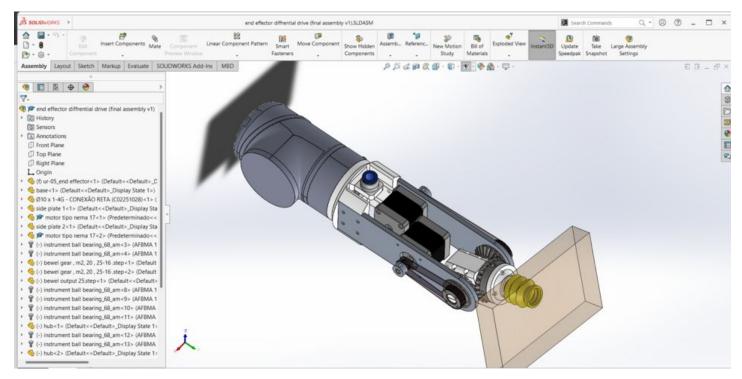
Assigment 2 - complex drawing (groups of 2)

- Design a tool for the robot
- Design a drawing
- Draw a design with your drawing machine

Tasks bank:

- Draw with a brush / water colors
- Draw on a non-straight canvas/on a 3d object
- Draw with a special tool (coal / sponge / other)
- Draw with light
- Sand drawing
- Different end effector (camera / flag / scanner / lights)
- Glazing
- Stamps

End-Effector Links





https://grabcad.com/library/end-effector-for-universal-robot-ur-05-1

https://makerworld.com/en/models/431133





https://cults3d.com/en/3d-model/tool/adaptateur-cobot-ur5-e-pour-jbc-tools

https://www.thingiverse.com/thing:2037443



https://www.formlab.schoolofarts.be/instructions/doku.php?id=ur10_robot_arm:ur10_robot_arm:

https://www.thingiverse.com/thing:6274435





https://www.thingiverse.com/thing:4532361

https://www.printables.com/en/model/805071-felting-needle-implement-for-ur5







https://www.instagram.com/p/Cyg6C6yrsNi/



https://www.instagram.com/p/C58DXgls8JN/



https://www.instagram.com/p/Cs9D2SguEHi/