

biomorphic robotics

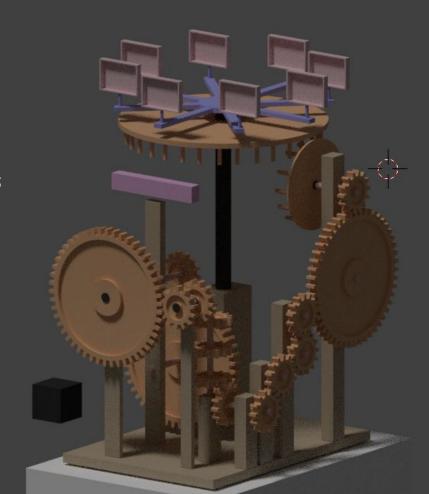
vsevolod ivanov // imca 322

biomorphic reincarnation of cybernetics

a critique of autonomous algorithms

it will tell you poems in your species language

in the essence, the goal of this project is to empower a machine by making it decide whenever it likes its human visitors based on its own terms & meanings



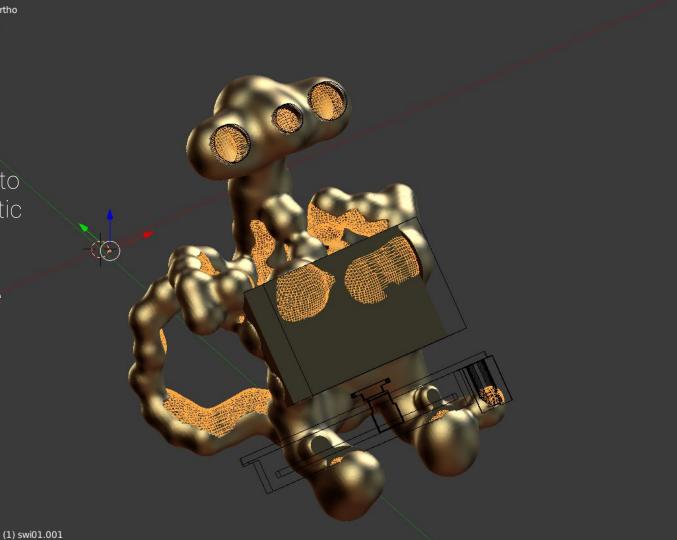
prototype 2.0

going away from newtonian robotics into biomorphic / cybernetic creature

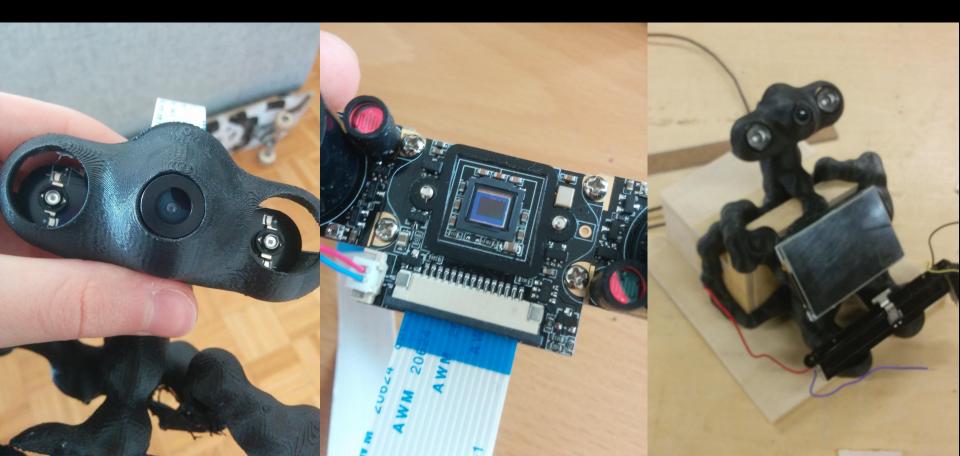
User Ortho Meters

by designing from the main focus

the camera



carving everything



computing behavior



```
image_bw = cv2.cvtColor(image, cv2.COLOR_BGR2GRAY)
image bw = cv2.flip(image bw, -1)
        face seen at = frame nb
        face_seen_image = cv2.flip(image_bw, -1)
        [self.Swipe.LEFT.value, self.Swipe.RIGHT.value]
    text = self.TEXT BINARY
```

computing poems

```
166
        def poem (self):
            nouns = "cybernetics manifesto Swi robots machines feedback humans primates technology world tray ocean thought liq
            verbs = "transcent extend automate imitate kill reflect change branch pull sip wonder suffer steer tip".split()
            adjs = "poetic cynic symbolic radiant truthful symbiotic shocking attractive blad beautiful chubby dazzling elegant
                w1 = ' '.join([choice(adjs) + ', ', choice(adjs)])
                w3 = ' '.join([choice(nouns), choice(nouns), choice(adjs), choice(nouns)])
                    w4 = ' '.join(['the ' + choice(adjs), choice(nouns), choice(veros)])
```

it was interesting working on so many different levels from 3d modelling to 3d printing passing through wood calculations and finishing by implementing a Python class with cv2 from scratch with generated poems aiming at both human and machines;

swi aims to create a unique experience by conveying the intended message of full & ambiguous machine control



