Supporting Folding Origami System

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➤ What is origami?

We propose a support system for creating origami figure by projecting fold lines on the square paper. Origami is a traditional Japanese culture and an art of making a figure only by folding a paper. Although many kind of figures can be made by origami, beginners cannot understand easily how to fold origami because of more complexity as it is folded.
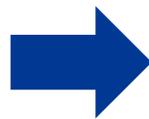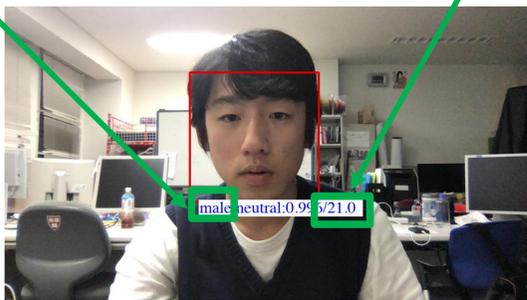
➤ Supporting Folding Origami System

1. The system decides the origami figure suitable for the age and gender of the user.

gender estimation

age estimation

The system decides an origami figure.
(The user doesn't know what he or she will make)

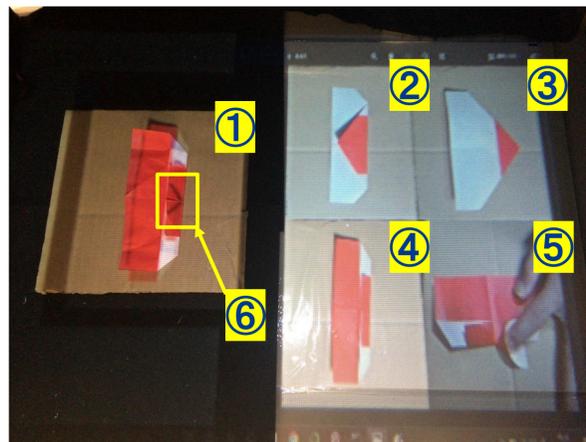plane!!   fish!!   syuriken!!   heart!!

clane!!   cat!!   ship!!

2. The user folds origami by following the system instruction and creates the figure.

enter the hardware
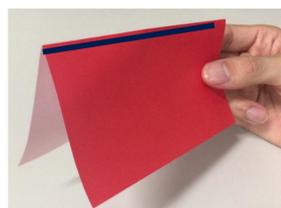
project how to fold the paper
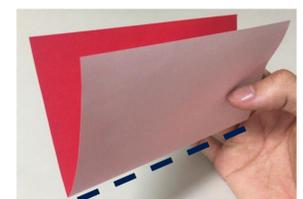
①the camera captures origami if it is on the square, and a projector projects lines which the user should fold next.
②a back side of next process image
③a previous process image
④a next process image
⑤an additional information for understanding easily

⑥ Mountain-fold ——————

Valley-fold - - - - - - - - - -

3. If the system detects user's negative feeling, it interrupts the work and makes them create an easier origami figure.

feeling estimation

The user stops working!
The system makes him create other origami figure.

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