Cross-modal Interfaces for Human-food interaction

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Augmented Satiety [CHI 2012]

- modifies perception of satiety and controlling nutritional intake by changing the apparent size of food with Augmented Reality.

×1.00

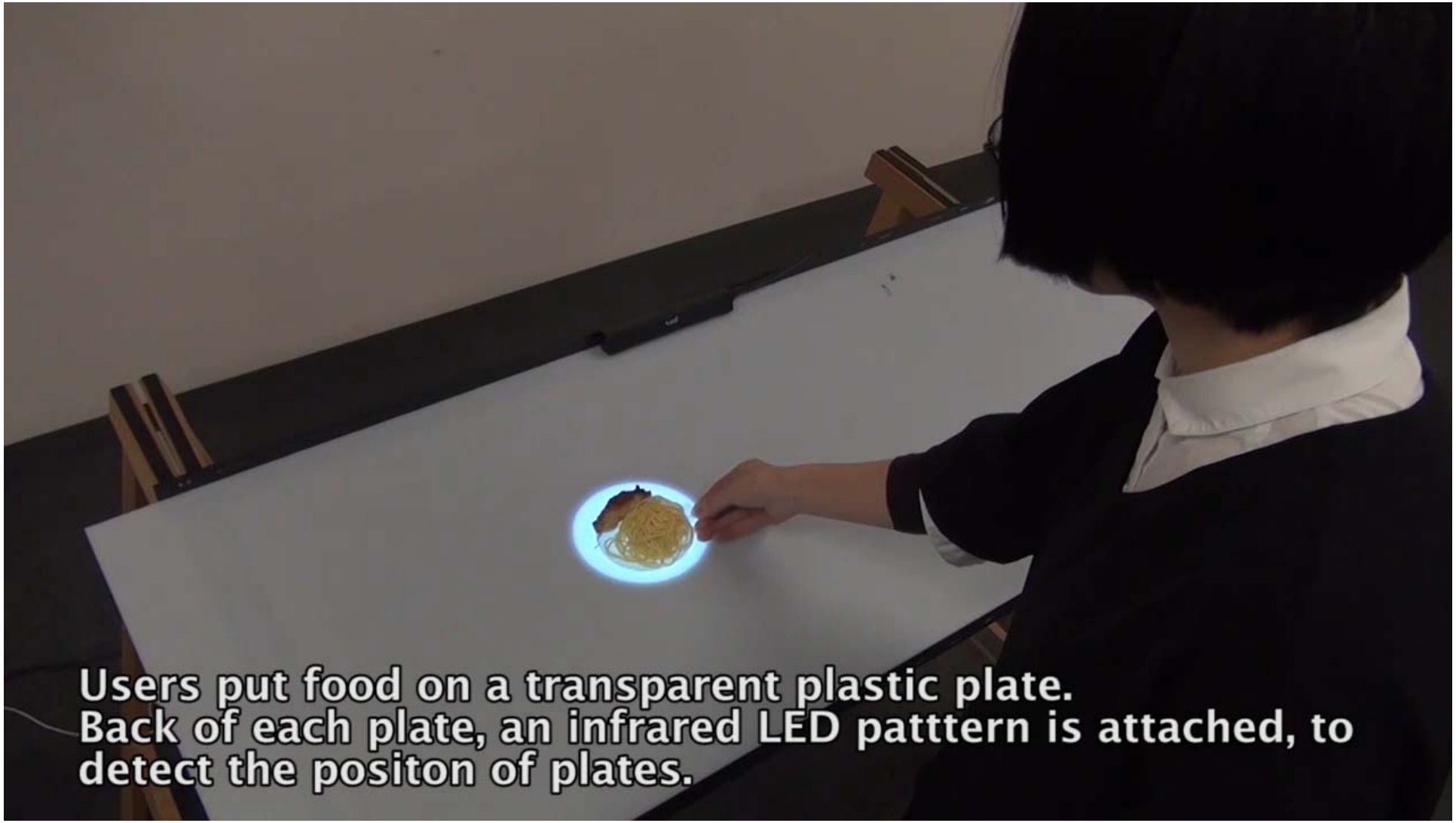
×1.50

User test

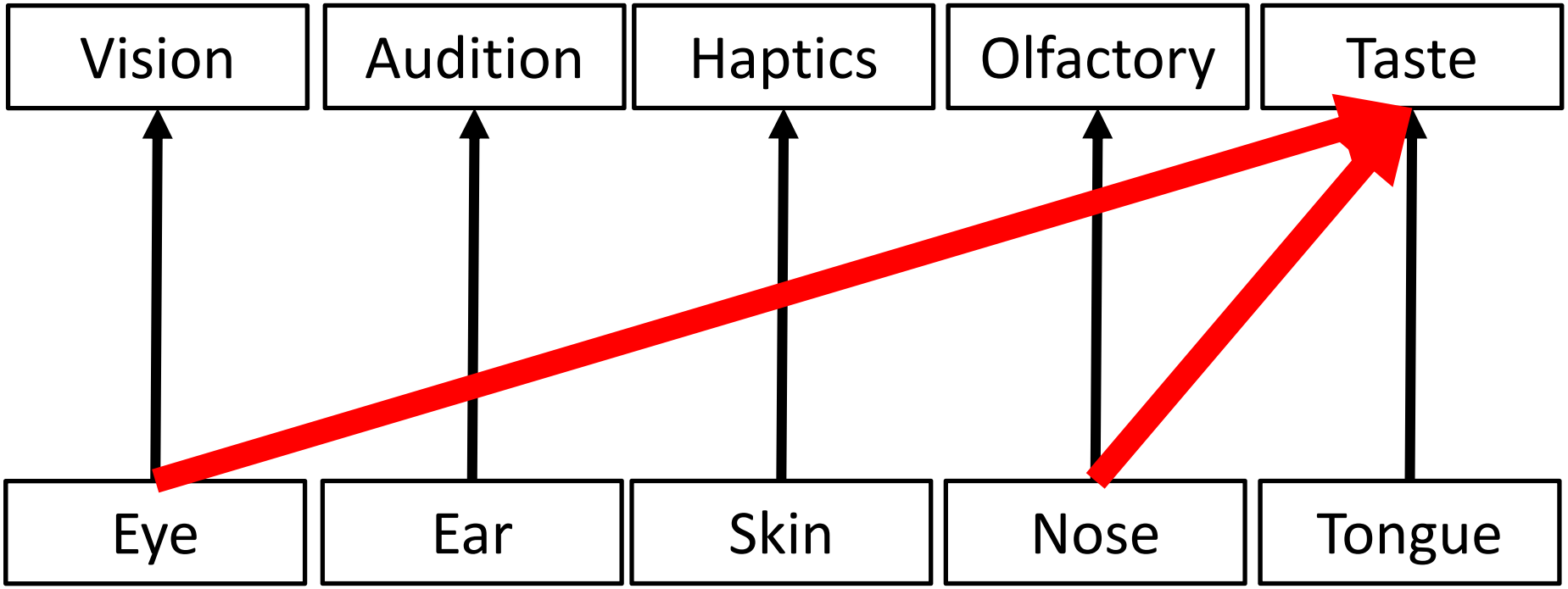
Shrunk: 13Cookies Normal:11Cookies Enlarged:7Cookies

CalibraTable: [SIGGRAPH ASIA 2014]

Tabletop System for Changing Satiety



Cross-modal interaction



- One sensory modality changes affected by other sensory stimuli that are simultaneously received through other senses
- The connections between modalities are built based on our daily experiences

Meta Cookie [CHI 2011]

Changes the perceived taste of food
using visual and olfactory Augmented Reality

Meta Cookie (2018)