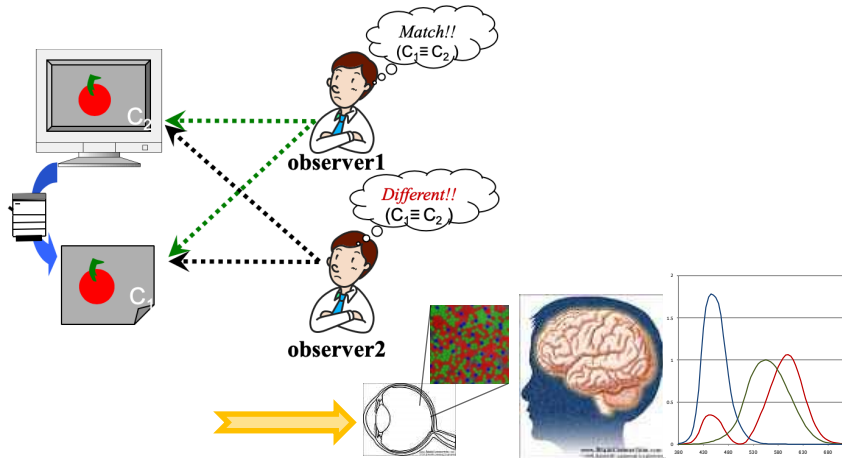


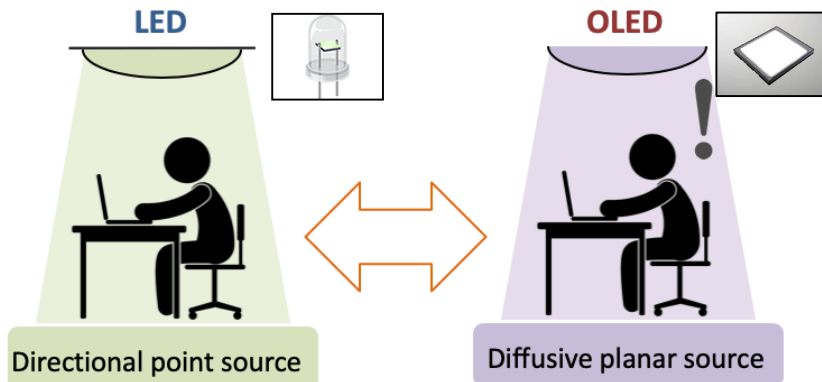
# Research on psychophysical approaches to evaluate perceptions

Professor Yasuki Yamauchi

## Individual difference in color perception



## Evaluation of the comfort of the illuminations



### Content :

It is difficult to express numerically our perceptions. For example, it is well known that there exists individual differences in color perception, but in order to compensate such differences, we need to quantitatively express those differences.

It is sometimes said that OLED is superior to LED in comfort, as the OLED is a diffusive light source. However, there has been no evidence that supports this hypothesis.

In order to solve these questions, I am conducting researches to evaluate those perceptual attributes through psychophysical approaches. Sometimes I measure not only subjective responses, but also physiological responses to get physiological evidence for emotional functions.

### Appealing point :

It is essential to evaluate our perceptual attributes quantitatively, in order to realize human centric society. I will try my best so that I can contribute to realize such a society through technology.

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