

# Y. SATO LAB.

## [Computer Vision]

Center for Socio-Global Informatics

<http://www.hci.iis.u-tokyo.ac.jp>

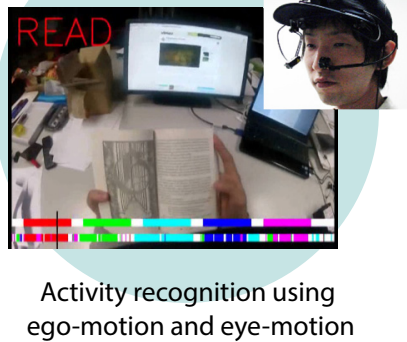
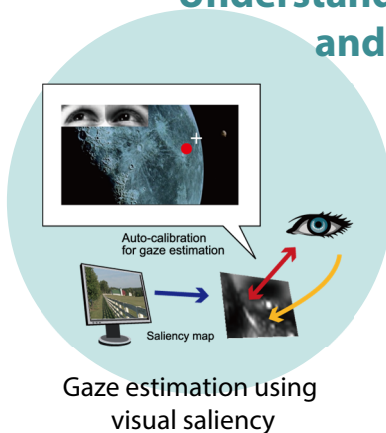
Visual Media Engineering

Department of Information and Communication Engineering, Graduate School of Information Science and Technology  
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### Computer Vision for Human Behavior Sensing and Material Perception Analysis

Toward development of information systems which can casually offer assistance to those who need it, real-time sensing of human behaviors including visual focus of attention is important. In our group, we develop **computer vision techniques for sensing and understanding our visual focus of attention and activities in real world**, and propose their applications to human-computer interaction. In addition, we have been studying **sensing and modeling of real object appearance for material perception analysis**.

#### Understanding human gaze and activities



#### Spectral sensing and analysis of reflectance and fluorescence



#### Analyzing reflectance and illumination

#### Recognizing human-computer, human-human interactions

