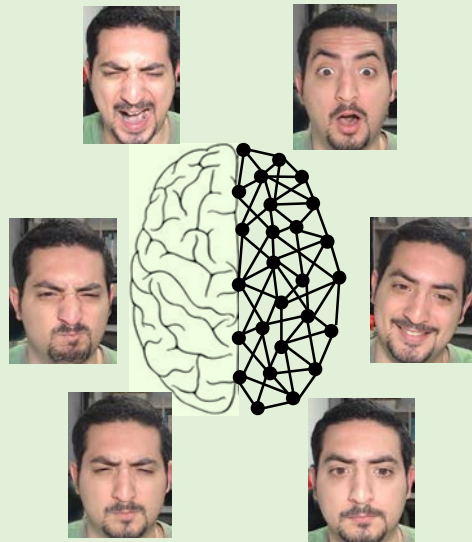
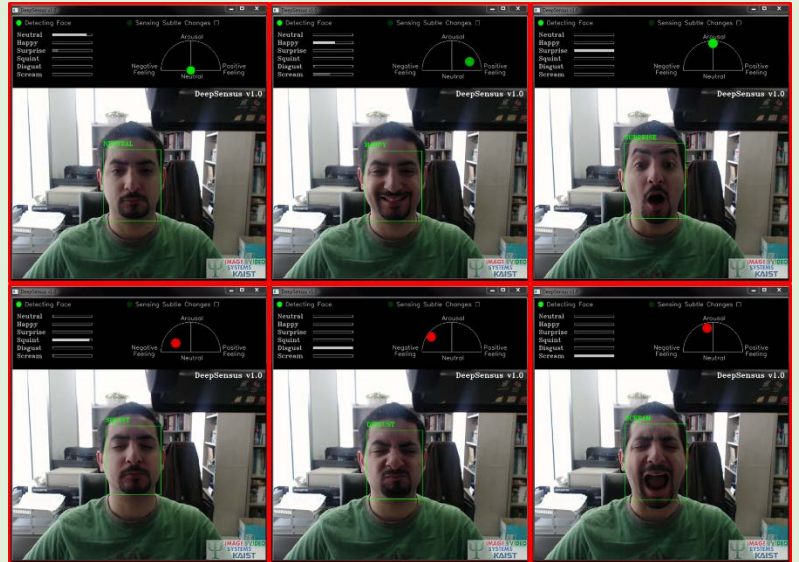


# DeepSensus<sup>®</sup>



**DeepSensus<sup>®</sup>**  
Deep Learning Facial  
Expression Recognition Engine



- **DeepSensus<sup>®</sup>** is the demo version for recognizing human facial emotion, which has been developed in KAIST's Image and video systems lab (IVY lab). **DeepSensus<sup>®</sup>** aims to detect the subject's facial expressions using deep learning, and represent them on a simple easy to use graphical user interface. The detected facial expressions are mapped into an expression response chart, which indicates the positive and negative feelings that the subject is experiencing, as well as the arousal of the subject. The input videos to **DeepSensus<sup>®</sup>** are streamed from a webcam attached to the computer and the recognized expressions are visualized on the system's GUI in real time. **DeepSensus<sup>®</sup>** is being developed with to recognize facial expressions and feelings in real time. The figure above shows an example of **DeepSensus<sup>®</sup>** detected expressions and the corresponding mapping to the subject's feelings.
- We are open to create new projects based on the technologies demonstrated in **DeepSensus<sup>®</sup>**, and create an industrial application on related areas. For more details, please contact professor Yong Man Ro at the email address ( [ymro@kaist.ac.kr](mailto:ymro@kaist.ac.kr) )