Based on the feedback at the PIA Workshop and the discussion at the PIA Advisory Board meeting, both having taken place on December 20, 2015 PIA Consortium plans to work on the following subjects this year. The results, including technical documents, program codes and dataset (excluding those that are not allowed due to legal reasons), from the 2016 research will be made available to PIA consortium members.

- **Gaze tracking**: a gaze tracker for use in small group interaction. The method will use low resolution images to estimate gaze based on eye appearance features. This work will build on the ZFace tracker.

- **Facial expression**: The method will enable users to find expressions of interest and detect them in video. The work builds on the ZFace tracker that developed in 2015. Appearance features are extracted by use of the tracker and algorithms for automatic action unit detection.

- **First-person Hand-Object Analysis**: We will investigate deep learning algorithms for extracting hand regions along with region of interests. This method builds on previous work by attempting to understand the objects that are involved in hand-object interactions.

- **Pedestrian Detection**: We will build on our current approach for synthesizing pedestrian data to train a visual pedestrian detector by applying it to dynamic environments, where the camera may move with respect to the scene.

- **Vision+text analysis**: We will investigate the use of temporal state models for understanding the correlation between visual input and text labels. For instance, video + closed-caption, internet videos + meta-tags, and image + captions.