Bachelor's and Master's Thesis
Face Recall: I Think, We Have Met Before!

Description

When we see a face, we are able to automatically identify if the person is known to us or is a stranger. Sometimes a stranger’s face reminds us of someone we know. The dialog that follows in each of these situations communicates whether we recognised the person and with what certainty. This thesis would explore:

- What face descriptors could be used to represent a face?
- How can associations between face descriptors and face identity be defined and stored?
- Which face descriptor would be best suited for good face recall?
- How can the recalled face identity and the certainty of the face recall be integrated in the dialog with the human?

Requirements

Good C++ or Python programming skills; basic knowledge of machine learning and image processing algorithms; familiarity with Windows or Linux, and optionally, Robot Operating System (ROS).

Contact

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