



**Politechnika
Śląska**

Biologically Inspired Artificial Intelligence

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Project Card

Gender recognition

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1. Overview

Program will recognize person's gender. Input data (face pictures) will be loaded from dataset. About 23,000 photos for each gender will be used to train AI and another 5,500 photos to validate it's behaviour. During implementation we will modify different parameters to choose the best configuration and draw conclusions. We are going to describe our results and put them into the charts to show it simpler.

2. Method of implementation

We will use Python and choose some of the following technologies in our project:

- OpenCV,
- Anaconda,
- Tensorflow,
- Jupiter Notebook,
- Numpy,
- Pandas.

3. Sources

Dataset (face pictures):

<https://www.kaggle.com/cashutosh/gender-classification-dataset>

Futhermore we are going to use documentation of chosen technologies listed above.