

VIR 2018 - semestral work - Martin Pecka

Convolutional Networks with Uncommon Data Inputs

The task will consist of 3 subtasks, each of which consists of trying several approaches, training CNNs with them, and comparing the results of respective approaches.

1. Find a good way how to represent and implement a learning task with one-to-many training data samples.
2. Find a good way how to deal with missing data in CNN input (not-a-numbers).
3. Find a good way how to mix 2D and 1D inputs to CNNs.

The best approaches for the individual subtasks should be merged together and tested in a final grand task on data from real search and rescue robot

