

Sensor fusion using deep learning

- Convolutional Neural Network (extraction of features in the data)
- Combining data from 2 or more sensors to get a better understanding of the environment we try to monitor/control
- System with sensor fusion is more consistent, accurate and dependable (increase quality of the data)
- 4 steps of an Autonomous system:
 - 1)Sense (data collection)
 - 2)Perceive (interpret the data)
 - 3)plan (make a decision)
 - 4)Act (take action)
- Example: use Magno meter with gyroscope and accelerometer to measure the position/ orientation of a cellphone
- Exmample of Fusion algorithms (Kalman filter)

sources

<https://de.mathworks.com/videos/sensor-fusion-part-1-what-is-sensor-fusion-1569410785813.html>