Multisensory Data Fusion with Neural Networks

With digital signal processing and neural networks progressing at an impressive pace, it becomes crucial to unite those fields in a fascinating project!

POSSIBLE TASKS

Merging the topics signal processing and neural networks can be done on a number of platforms and in various directions:

1) Working on our mouse robot to improve its auditory/visual system by developing neural architectures
2) Making the Miro Robot more realistic by supplying it with neural controllers
3) Working with our driving simulator to integrate neural networks in a variety of topics

All of these topics can be addressed in a Bachelor’s or Master’s thesis or a Semester Project.

REQUIRED SKILLS

- Background in signal processing
- Background in neural networks
- Good programming knowledge

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