

Sound Detection and Classification

using Spiking Neural Networks

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- Presentation of the Project
- Sound Detection and Classification
- Spiking Neural Networks

- Type of Data
- Goal to achieve with this data

- State of the art
- Technical Approach

- Spiking Neural Networks
- Sound Detection and Classification

- Collecting the data
- Adaptation of the data
- Checking that there are no errors / repetitions

- Spectrograms

- MEL

- MFCC

- First results

- Summary
- Future Work