

# MUSICNN

## PRE-TRAINED CONVOLUTIONAL NEURAL NETWORKS FOR MUSIC AUDIO TAGGING

Tagging at github: [jordipons/musicnn](https://github.com/jordipons/musicnn)

```
from musicnn.tagger import top_tags
top_tags('song.mp3', model='MTT_musicnn', topN=5)
```

```
from musicnn.extractor import extractor
taggram, tags = extractor('song.wav')
```

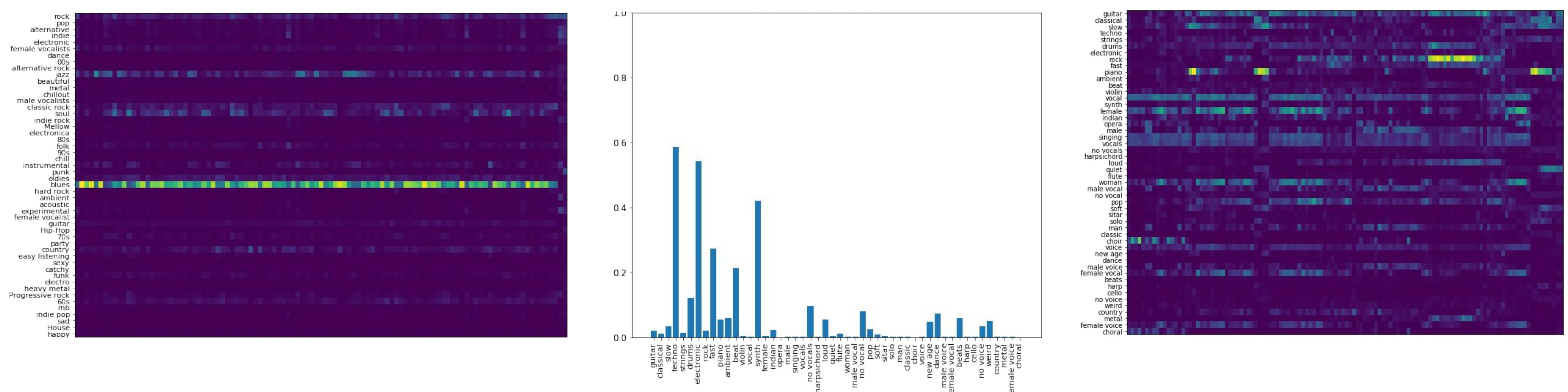
```
python -m musicnn.tagger audio.ogg --print
python -m musicnn.tagger song.wav --save out.tags
```

Installation: `pip install musicnn`

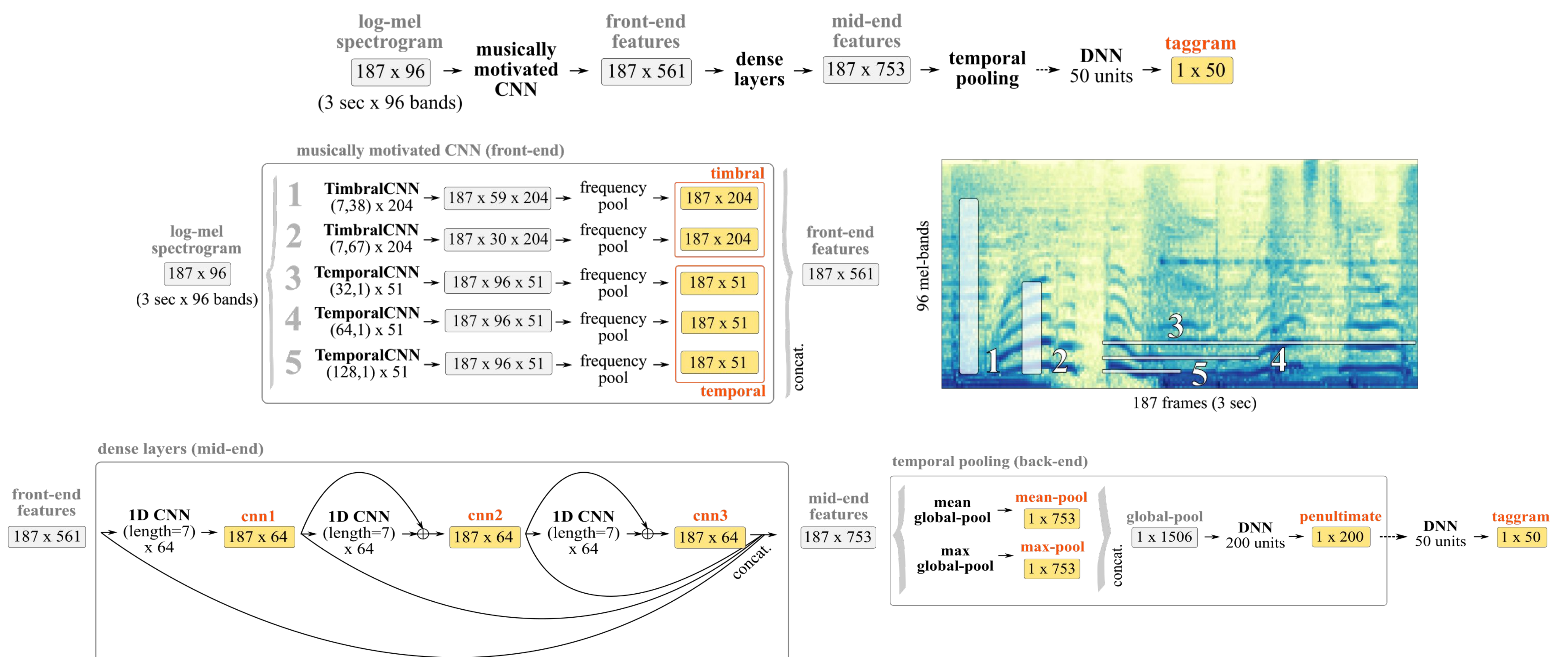
Retrain at github: [jordipons/musicnn-training](https://github.com/jordipons/musicnn-training)

Transfer learning at github: [jordipons/sklearn-audio-transfer-learning](https://github.com/jordipons/sklearn-audio-transfer-learning)

C++ implementation w/ Essentia: <https://mtg.github.io/essentia-labs>



The pre-trained models: musically motivated CNNs



Blog-post with **examples**  
Link to the **paper & code**



Universitat  
Pompeu Fabra  
Barcelona

**MTG**  
Music Technology  
Group

