

UNIVERSITY OF BERGEN  
DEPARTMENT OF INFORMATICS

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# Automatic Drum Transcription using Deep Learning

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UNIVERSITETET I BERGEN  
*Det matematisk-naturvitenskapelige fakultet*

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Add correct NT  
faculty,  
instead  
of MAT-  
NAT

## Abstract

Lorem ipsum dolor sit amet, his veri singulis necessitatibus ad. Nec insolens periculis ex. Te pro purto eros error, nec alia graeci placerat cu. Hinc volutpat similique no qui, ad labitur mentitum democritum sea. Sale inimicus te eum.

No eros nemore impedit his, per at salutandi eloquentiam, ea semper euismod meliore sea. Mutat scaevola cotidieque cu mel. Eum an convenire tractatos, ei duo nulla molestie, quis hendrerit et vix. In aliquam intellegam philosophia sea. At quo bonorum adipisci. Eros labitur deleniti ius in, sonet congrue ius at, pro suas meis habeo no.

Write  
proper  
abstract

## Acknowledgements

Est suavitate gubergren referrentur an, ex mea dolor eloquentiam, novum ludus suscipit in nec. Ea mea essent prompta constituam, has ut novum prodesset vulputate. Ad noster electram pri, nec sint accusamus dissentias at. Est ad laoreet fierent invidunt, ut per assueverit conclusionemque. An electram efficiendi mea.

Write  
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Runar Fosse  
Wednesday 12<sup>th</sup> February, 2025

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# Chapter 1

## Introduction

Natum mucius vim id. Tota detracto ei sed, id sumo sapientem sed. Vim in nostro latine gloriatur, cetero vocent vim id. Erat sanctus eam te, nec assueverit necessitatibus ex, id delectus fabellas has.

Lorem ipsum dolor sit amet, iisque feugait quo eu, sed vocent commodo aliquid an. Minim suavitate dissentiet te eos. Dicunt eirmod adolescens no sed. Esse nonumy melius an mel, mei ut maiorum luptatum. Eu eum iudico scripta, movet option assueverit mel ex, mea at odio noluisse efficiendi. Ad vidisse atomorum conceptam quo, saepe volumus philosophia eos eu, delenit conceptam no usu.

Vituperata sadipscing deterruisset ei mel, at qui nonumy blandit. Delectus dissentiet et sea, ut rebum regione numquam nam, cum ex augue constituto. Te per nihil semper. Posse voluptatum qui an, aliquando democritum disputando id quo, everti perpetua cu vim. Laudem fabellas mei an, eu reprimique quaerendum usu. Quidam prompta fabellas ne est.

### 1.1 Background

Lorem ipsum dolor sit amet, cu graecis propriae sea. Eam feugiat docendi an, ei scripta blandit pri. Nonumes delicata reprimique nam ut. Eu suas alterum concludaturque est, ferri mucius sensibus id sed.

We can do glossary for acronymes and abreviations also: Software as a Service (SaaS). As you see the first time it is used, the full version is used, but the second time we use SaaS the short form is used. It is also a link to the lookup.

We get even some more background here; like this: One, two, three, four, five, six, seven, eight, nine, ten. Eleven twelve thirteen fourteen fifteen sixteen seventeen eighteen nineteen twenty!

I'm also using SlakH dataset [2], and E-GMD [1]!!

# List of Acronyms and Abbreviations

**SaaS** Software as a Service.

# Bibliography

- [1] Lee Callender, Curtis Hawthorne, and Jesse Engel. Improving perceptual quality of drum transcription with the expanded groove midi dataset, 2020.
- [2] Ethan Manilow, Gordon Wichern, Prem Seetharaman, and Jonathan Le Roux. Cutting music source separation some Slakh: A dataset to study the impact of training data quality and quantity. In *Proc. IEEE Workshop on Applications of Signal Processing to Audio and Acoustics (WASPAA)*. IEEE, 2019.