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Publications:

**Learning Combinations of Multiple Feature Representations for Music Emotion Prediction**
Madsen, J., Jensen, B. S. & Larsen, J. 2015 *Proceedings of the 1st International Workshop on Affect & Sentiment in Multimedia (ASM '15).* Association for Computing Machinery, p. 3-8
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

**Modeling Temporal Structure in Music for Emotion Prediction using Pairwise Comparisons**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2015

**Bounded Gaussian process regression**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

**Hearing Aid Personalization**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

**Personalized Audio Systems - a Bayesian Approach**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

**Predictive Modeling of Expressed Emotions in Music Using Pairwise Comparisons**
Madsen, J., Jensen, B. S. & Larsen, J. 2013 In : *Lecture Notes in Computer Science. 7900, p. 253-277*
Publication: Research - peer-review › Journal article – Annual report year: 2013

**Towards a universal representation for audio information retrieval and analysis**
Publication: Research - peer-review › Conference article – Annual report year: 2013

**A predictive model of music preference using pairwise comparisons**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

**Haussdorff and hellinger for colorimetric sensor array classification**
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012
Integration of top-down and bottom-up information for audio organization and retrieval
Publication: Research › Ph.D. thesis – Annual report year: 2013

Modeling Expressed Emotions in Music using Pairwise Comparisons
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Pseudo inputs for pairwise learning with Gaussian processes
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Towards Predicting Expressed Emotion in Music from Pairwise Comparisons
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Efficient preference learning with pairwise continuous observations and Gaussian Processes
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

On Sparse Multi-Task Gaussian Process Priors for Music Preference Learning
Nielsen, J. B., Jensen, B. S. & Larsen, J. 2011
Publication: Research › Paper – Annual report year: 2011

Estimating Human Predictability From Mobile Sensor Data
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Predictability of Mobile Phone Associations
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

A service based estimation method for MPSoC performance modelling
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008

Projects:

Active learning in cognitive information processing systems
Project: PhD