

Intelligent Audio Systems: A review of the foundations and applications of semantic audio analysis and music information retrieval



Jay LeBoeuf
Imagine Research
jay@imagine-research.com

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These lecture notes contain hyperlinks to the CCRMA Wiki.

On these pages, you can find supplemental material for lectures - providing extra tutorials, support, references for further reading, or demonstration code snippets for those interested in a given topic .

Click on the  symbol on the lower-left corner of a slide to access additional resources.

WIKI REFERENCES...

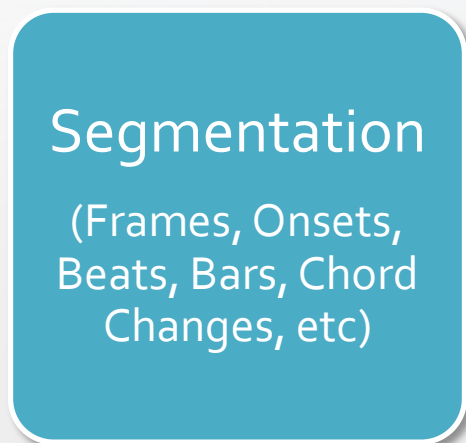
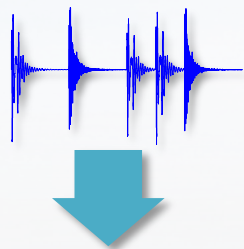


SUMMARY

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- Building blocks can be rearranged to create various MIR applications.

Basic system overview



SUMMARY

- Building blocks can be rearranged to create various MIR applications.
- Research can examine:
 - “Inventing” new features
 - Examining techniques, parameters, and tuning in certain building blocks to enhance performance
 - Defining similarity measures
 - Selecting “labels” for data; building test / train datasets

Additional information...

ISMIR

September, 14-18, 2008
Philadelphia
Early Registration

AES 2008

October 2-5, 2008
San Francisco

MUSIC-IR list

Websites

- www.imagine-research.com
- ccrma.stanford.edu/workshops/2008/
- www.iua.upf.es/mtg
- Queen Mary C4DM
- LabROSA
- <http://iua.upf.edu/smc/>
- www.bmat.com

Seminal Papers

- References listed in Klapuri & Davy book
 - *Papers listed on Pg 136-7 of MIR Toolbox:*
<http://www.jyu.fi/hum/laitokset/musiikki/en/research/coe/materials/mirtoolbox/userguide1.1>
 - Proceedings of ISMIR (International Symposium on Music Information Retrieval)
 - Audio Engineering Society
 - IEEE ICASSP (International Conference on Acoustics, Speech, and Signal Processing)
- Please add your ***favorites*** to the resources page at:
- http://cm-wiki.stanford.edu/wiki/MIR_workshop_2008_notes

Acknowledgments

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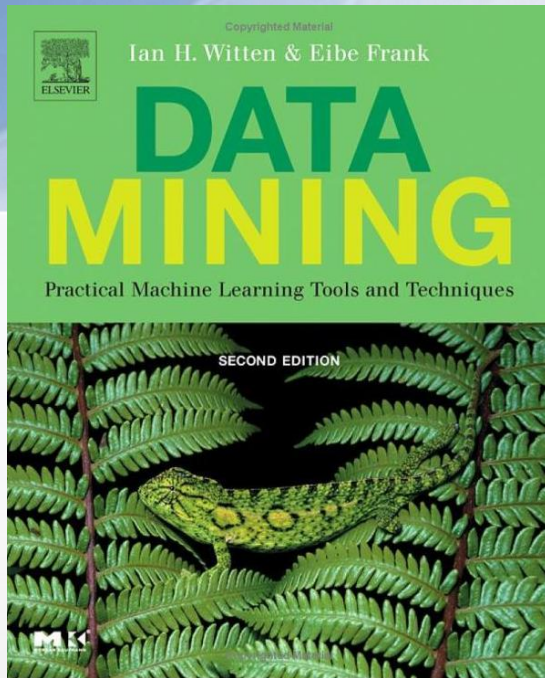
Carr Wilkerson

Chris Chafe and the whole CCRMA crew!

Thank you!

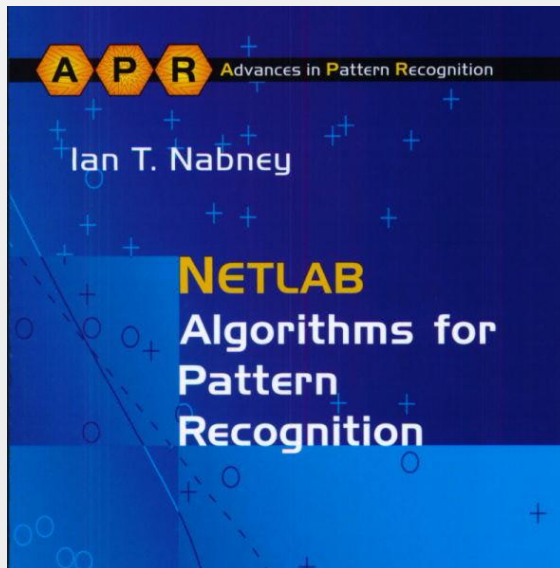
Jay LeBoeuf
jay imagine-research.com

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Data Mining: Practical Machine Learning Tools and Techniques, Second Edition
by [Ian H. Witten](#) , [Eibe Frank](#)

Weka Toolbox (Java / Standalone)
<http://www.cs.waikato.ac.nz/ml/weka/>



Netlab
By [Ian T. Nabney](#) (Author)

Netlab (Matlab) Software