



An Open Source Assistive Technology

Dr Mike Wald

University of Southampton

Multimedia

Text can reduce the memory demands of spoken language

Speech can better express subtle emotions

Images can communicate moods, relationships and complex information holistically.

PANOPTO

YouTube

PowerPoint

twitter



echo 360
live. and learn.

Bb

Blackboard

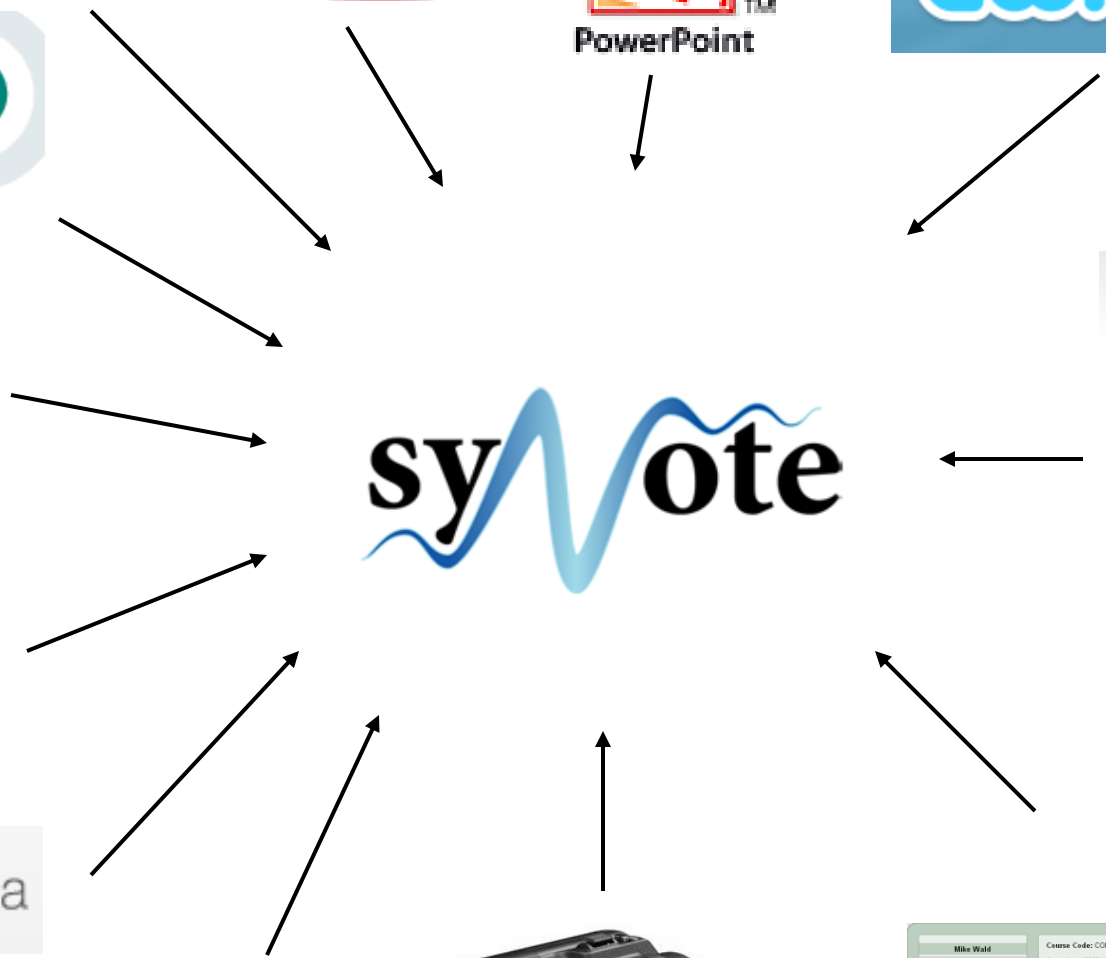
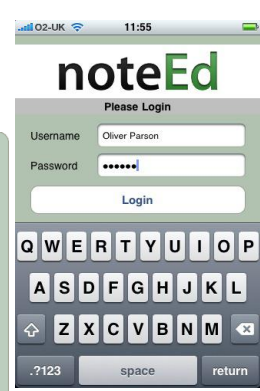
matterhorn

Camtasia

audacity 2010

synote

livescribe
NEVER MISS A WORD



Easy to find *WHOLE* of recording but
NOT a *PART*

Analogy

Text book with front cover but no
contents page, index or page numbers

del.icio.us

url

description

notes

tags

space
separated

save



[Sign Up](#) | [QuickList \(0\)](#) | [Help](#) | [Log In](#) | [Site](#)

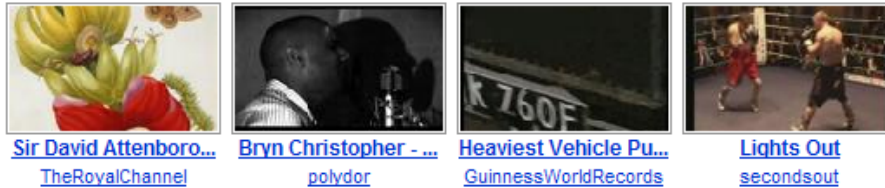
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Pop Waffle Vol. 16: Stuff People Watch

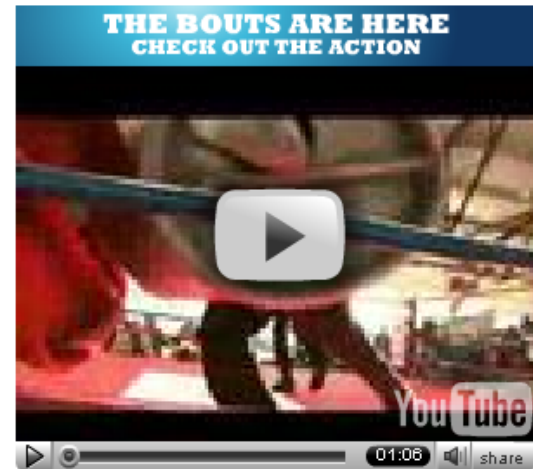
for the week of 4.7.08
music: Beat Control by Tilly and the Wall

From: [eja217](#)
Views: 40,618
★★★★☆
02:41
More in [Film & Animation](#)



Giant NES controller coffee table

From: [kdownes1](#)



King of the Bounce: Final Match

From: [canyoubounce](#)
Comments: [75](#)

Login to rate video
★★★★☆
912 ratings

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Username:
Password:

Search Results

- IBM Data Project Guidelines: Clip 2

- [IBM Data Project Guidelines: Clip 2](#)

Tags: IBM Data Project uncompressed pcm

Note: Describes how to get ViaScribe 2.37 to save audio in IBM's preferred data format (uncompressed PCM WAV; 22,050 Hz; 16 bit; Mono). Also covers the folder and file naming convention recommended for this project.

- ▶ hello this is Heather Martin[®] from the Liberated Learning Consortium at Saint Mary's University and this video presentation is meant to illustrate one of the procedures from the **IBM** acoustic model

- ▶ to record audio in the required format for **IBM** in ViaScribe 2.37 so we'll just skip the introductory

- ▶ normally would so we'll fire up ViaScribe for the purpose of the **IBM** data collection project

- ▶ and that's it for this video we've created an uncompressed PCM audio file in **IBM** ViaScribe

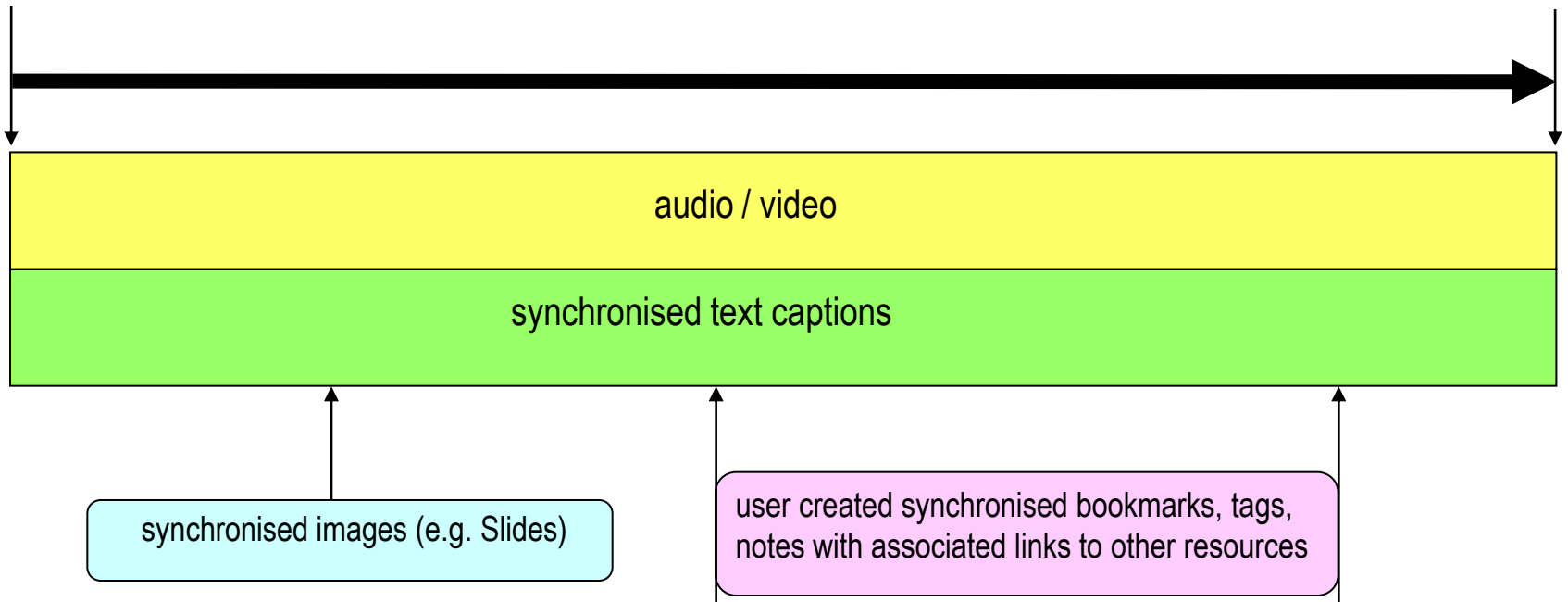
- INFO6002 ViaScribe SR and Second Life

- ▶ the Liberated Learning consortium is currently investigating the potential of speech recognition technology to make virtual worlds more accessible this video demonstrates a proof of concept bridge connecting **IBM** ViaScribe to a popular virtual world called Second Life in Second Life users create an online persona or avatar to explore the three-dimensional virtual environment and interact

- ▶ reasons as I'll explain later once you have pasted the channel name click connect Next start **IBM**

multimedia start time

multimedia end time



audio / video

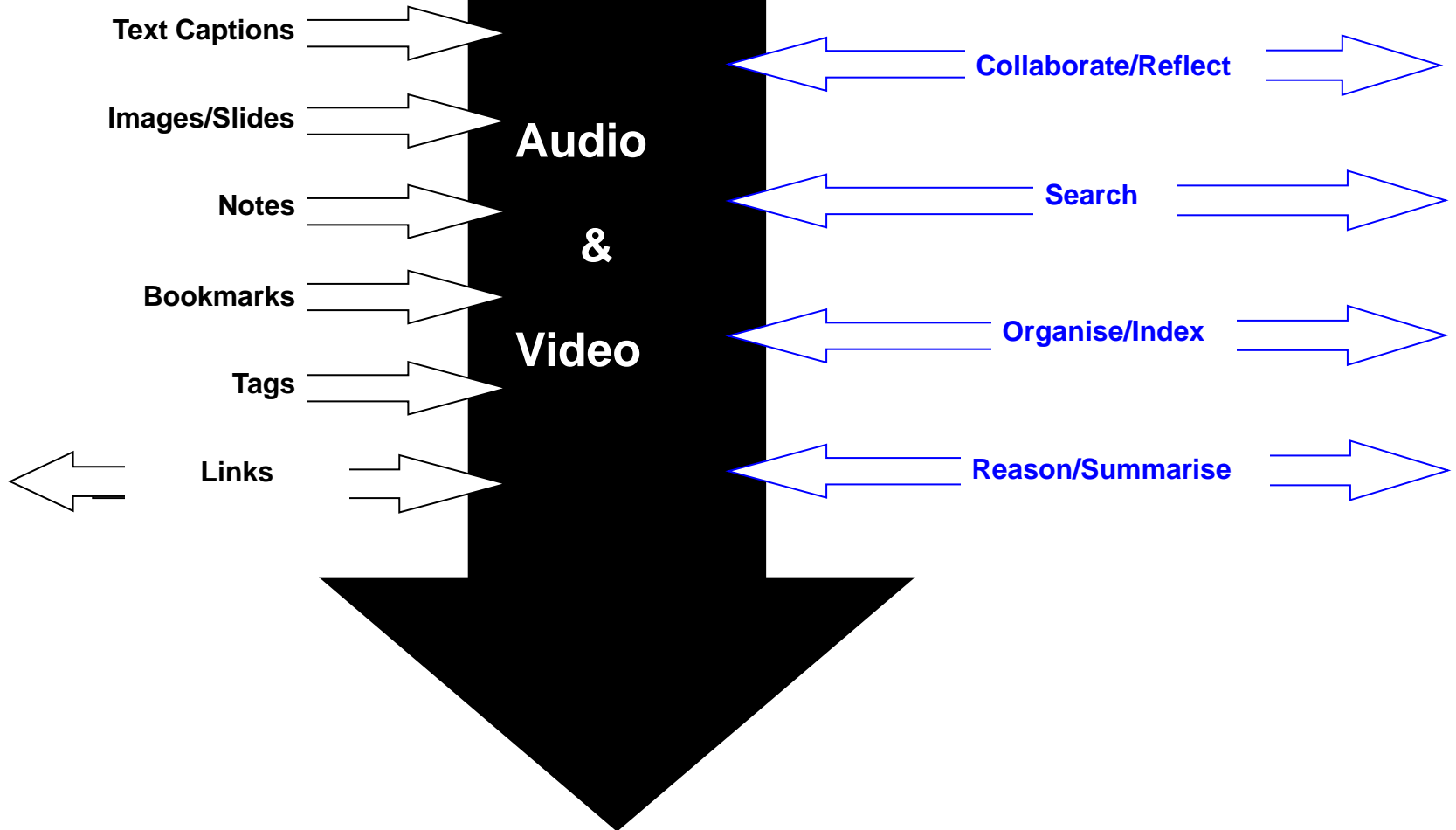
synchronised text captions

synchronised images (e.g. Slides)

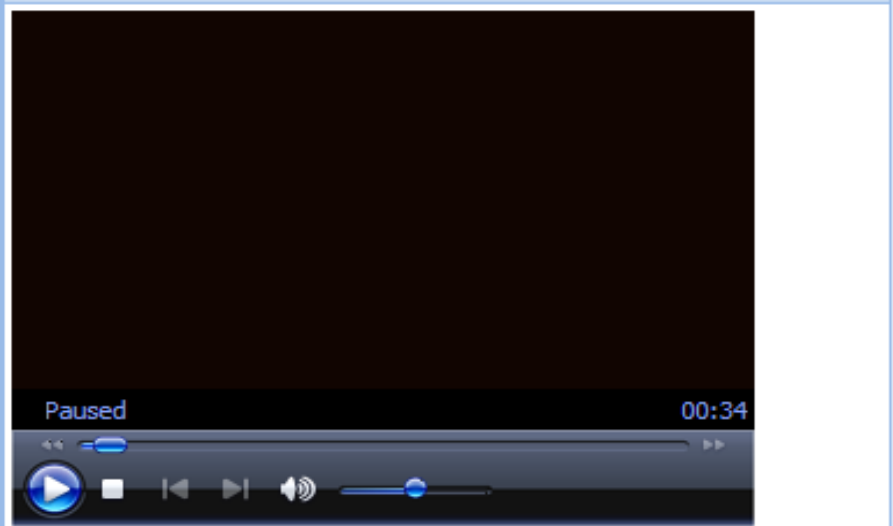
user created synchronised bookmarks, tags,
notes with associated links to other resources

Multimedia

Synchronised



Multimedia



320 x 240 Play Rewind Pause Stop

Synmarks

Start	End	Title	Note
0:31		web based	
0:34		idea of synmarks	tags, notes. Quite a lot of info and ideas can be typed in this area, including HTML code - wraps.
1:56	2:56	Taking notes	also if it's an educational recording a lecture or a multimedia web presentation and you w processor but the problem is it's very difficult to take notes which bits are important how understand what they meant it's very difficult to go back to the original recording and find
2:32		new note!	It is a very useful application for taking notes!
4:08		Email us your comments	

Autoscroll is On Full view is On Mine only is Off Chaining is Off

Transcript

welcome to this brief interactive guide to using Synote

What is Synote


well it's a unique web based application that allows you to create Synmarks

which are synchronised Bookmarks and in those Synmarks you can put

notes or tags which you can synchronise with a recording of audio or video


and also with a transcript of what is said in that recording and any slides and images and that is very powerful because it allows you to find parts of the recordings and replay parts of the recordings in a variety of flexible ways

Presentation



is a web based application that allows you to create synchronised bookmarks or 'Synmarks' that can contain notes and tags synchronised with audio or video recordings, transcripts and slides/images and can be used to find and replay parts of the recordings

While other software make a bookmark, search, link to the WHOLE of a web based a recording,

ONLY 

allows you to easily find, notes or resources with, recording.

As an analogy, you would find text book difficult to use contents page, index or p



The Alternative Guide (to UCLan)

Multimedia



02:24 10:17

480 x 360 Play Rewind Pause Stop

Transcript

shower or cluster flats where you can share a bathroom with the rest of your flat mates.

Well here's Harris building where it all started in 1828 when UCLan was once the Harris Institution for the Diffusion of Knowledge. Now Harris Building is home to the Faculty of Arts Humanities and Social

Synmarks

Start	Note
0:00	Foster building: reference number 1 on map
1:07	Darwin and Wharf buildings: reference number 2 on map
2:20	Harris building: reference number 3 on map
3:34	The Media Factory: reference number 4 on map
3:59	C & T building: reference number 5 on map
4:13	Students' Union: Number 6 reference on map
5:22	Victoria building: reference number 7 on map
5:50	Harrington and Allen Building: reference number 8 on map
6:44	Brook building: reference number 9 on map
7:18	Greenbank: reference number 10 on map

Autoscroll is On Full view is Off Mine only is Off Chaining is Off Create Edit De

Presentation



HTML Synmarks

Multimedia



320 x 240 ▾

Play Rewind Pause Stop

Synmarks

Note



Mesdame, thought of a number of lines for this moment: "thought I'd just drop in", "hey doll thanks for giving me the shaft"



nice, so what did you decide?



I want a divorce

Synmark



ID:

Start:

6:56

End:

7:08

Title:

This is a title

This is the text of the note



Tags:

revise

Next:

37

Create

Cancel



Please enter the filename of the narrated Powerpoint file (it must include narration):-

Select PowerPoint File

Please enter the location on your computer which the application should save files to:-

Set Output Directory

- Ignore Speaker Notes.
- Use Speaker Notes as Transcript.
- Use Speaker Notes as Annotation.

Convert into an XML file

Help

0%



multimedia

[0:08] presentation - Slide 1

Annotating Multimedia for Community Folksonomy and Ontology Building

Learning Societies Lab
School of Electronics & Computer Science
University of Southampton

[0:12] Hello
I'm going to talk to you
about

[0:20 - 1:50] Synmark (4)
testing
mike

[0:20] an idea we've got
and we've called it *annotating multimedia*
for *community folksonomy* and *ontology building*
and we're the Learning Society lab at the School of Electronics and Computer Science at the University of Southampton
now
you'll be listening to

Recording List

Id	Title	Owner	Public Permission	Your Permission		
422	My first recording	test	READ	WRITE	Replay	Print
427	my second recording	test	PRIVATE	WRITE	Replay	Print
487	Test Recording	test	ANNOTATE	WRITE	Replay	Print
502	test recording with firefox	test	ANNOTATE	WRITE	Replay	Print
517	test recoding with Safari	test	ANNOTATE	WRITE	Replay	Print
538	Mac Test 1	test	ANNOTATE	WRITE	Replay	Print
1	Synote Guide	mike	ANNOTATE	ANNOTATE	Replay	Print
65	INFO1016 CECIL Compiler Demo	mike	ANNOTATE	ANNOTATE	Replay	Print
68	INFO1016 CECIL Run Demo	mike	ANNOTATE	ANNOTATE	Replay	Print
71	INFO1016 Processor Cooking Analogy	mike	ANNOTATE	ANNOTATE	Replay	Print

1

Show Group

Id:	1
Name:	G1
Shared:	true
Owner:	test
Members:	Dazzler18000 , Heather , asa1e08 , cpb1g , cpb1g08 , ehvs1g08 , fa1e08 , gb2g08 , jy0276575 , ma405 , md3g08 , md6g08 , mike , mjl105 , rb21g08 , shakeel , shakeel2 , sp15g08 , test , tg5g08 <input type="button" value="+ Add Member"/>
Recording Permissions:	Synote Guide (READ) abc (ANNOTATE) my second recording (ANNOTATE) <input type="button" value="+ Add Recording Permission to a Group"/>

 Edit  Delete

Transcript

Back Next Finish Help Exit *Status: Step 2/3 Transcript editing*

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audio or video

Change Text Append Text Auto Sync

Autoscroll is On Highlight Synmarks is Off ▾

Refresh Edit

is a unique application of speech recognition technology as a method for assisting students with disabilities in the university classroom

in liberated learning classrooms lectures are transcribed in real time using automated speech recognition and:

presented to the class enabling students to see the:

the lecture comprehensive software generated transcripts are provided and a variety of format

Atlantic Centre of Research at Saint Mary's University has been responding to the needs of students with disabilities for nearly two decades

Speech Recognition: real time access to spoken language

SR in classrooms is VERY DIFFICULT!

- Star Trek expectations
- Special vocabulary
- Spontaneous speech not writing
- Dialogue and interaction
- And there are no spaces between words when people talk so it is unclear where words begin and end

How to Wreck a Nice Beach You Sing Calm Incense

This is a demonstration of the problem of the readability of text created by commercial speech recognition software used in lectures they were designed for the speaker to dictate grammatically complete sentences using punctuation by saying comma period new paragraph to provide phrase sentence and paragraph markers when people speak spontaneously they do not speak in what would be regarded as grammatically correct sentences as you can see you just see a continuous stream of text with no obvious beginnings and ends of sentences normal written text would break up this text by the use of punctuation such as commas and periods or new lines by getting the software to insert breaks in the text automatically by measuring the length of the silence between words we can improve the readability greatly

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by getting the software to insert breaks in the text automatically by measuring the length of the silence between words we can improve the readability greatly

Using Twitter to Take Notes for Synote



Search



Search Help

Get Tweets

Multimedia Title:

Synote Guide

Twitter Username:

Start Time of Recording:

21 January 2010 12 : 47

Start Time of Tweets:

21 January 2010 12 : 47

End Time of Tweets:

21 January 2010 12 : 47



List Tweets

Feedback on using Synote

Please draw a ring around the most appropriate answer(s) and add any comments

How often have you used Synote? Never Once More than once

If your answer was 'Never' could you please give a reason:

If you have used Synote:

What Browsers have you used with Synote? IE Firefox Google Chrome Safari

How many different recordings have you listened to? One More than one

How many Synmarks (notes) have you created? None One More than one

For how long have you used Synote? Less than 20 minutes More than 20 minutes

Have you printed from Synote? Yes No

Have you read the Synote Guide pdf? Yes No

Have you listened to the Synote Guide recording? Yes No

Would you like more modules to have recordings on Synote? Yes No

Would you like recordings of lectures to be on Synote? Yes No

How easy to use was Synote? Very Easy 5 4 3 2 1 Very Difficult

How useful was Synote? Very Useful 5 4 3 2 1 Useless

How useful were the S&Sde images? Very Useful 5 4 3 2 1 Useless

How useful was the video? Very Useful 5 4 3 2 1 Useless

How useful was the transcript? Very Useful 5 4 3 2 1 Useless

How useful was the audio? Very Useful 5 4 3 2 1 Useless

How useful was the print facility? Very Useful 5 4 3 2 1 Useless

How useful was the Synmark/notes facility? Very Useful 5 4 3 2 1 Useless

Many thanks for your help. We would also appreciate it if you could provide comments on your experience using Synote and any suggestions for how Synote could be improved. We hope that Synote will also be helpful to students who have difficulty listening or reading or taking notes (e.g. disabled students, dyslexic students and students whose 1st language is not English) and so would welcome any feedback about this.

students want more recorded material made available using  **synote**

they found the synchronised transcripts and note taking facility useful and improved their learning, motivation, enjoyment and efficiency.

“Synote gives a very clear understanding of module ... it was very useful for me especially as I am a non English native speaker”

Google™ Toolbar has [automatically translated](#) this page to

English

Home Recordings Print Help

Multimedia



240 x 45

Transcript

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- English
- Estonian
- Filipino
- Finnish
- French
- Galician
- Georgian
- German
- Greek
- Haitian Creole
- Hebrew
- Hindi
- Hungarian
- Icelandic
- Indonesian
- Irish
- Italian
- Japanese
- Korean
- Latvian
- Lithuanian
- Macedonian
- Malay
- Maltese
- Norwegian
- Persian

Show ori

Welcome to synot

Synmarks

Title

What is Synnote?

Email us your comments

Choice of Browser

Autoscroll is On Full view is On Mine only is On Chaining is Off

Presentation

While ot
bookmar
WHOLE
recordin
ON
allows y
notes or
recordin

多媒体



240 x 45

玩 倒带 暂停 停止

成绩单

这个简短的互动，欢迎使用指南Synnote

什么是 Synnote

好它的独特的网站基于应用

允许你至创建 Synmarks

其中是同步书签和在那些 Synmarks 你可以提出

笔记或标签其中你可以同步同一录音的音频或视频

和还同一谈话全文的什么是说：在该录音

和任何幻灯片和图像和该是很强大因为它允许你至

发现部分的录音和重玩部分的录音在一品种的灵活

方法

所以什么特别关于这软件我们感叹 Synnote 好你可能有

Synmarks

标题

什么是Synnote ?

电邮我们您的意见

选择浏览器

自动滚屏是论 全部看法是 不仅是在排雷 链接是关闭 创建 编

介绍

synote is a web based application that allows you to create synchronised bookmarks or 'Synmarks' that can contain notes and tags synchronised with audio or video recordings, transcripts and slides/images and can be used to find and replay parts of the recordings

While oth
bookmar
WHOLE c
recording
ON
allows yo
notes or
recording
As an a
text book
contents

Synote Supports learners to ...

- search and replay sections
- read synchronised text captions & slides
- tag/highlight sections (e.g. not understood)
- add synchronised notes & links

Synote Supports teachers to...

- Index, link and tag teaching recordings
- assess student presentations/performance
- respond to learner feedback

Synote Demo

Synote Player - Windows Internet Explorer

http://www.synote.org/synote/recording/replay/1

Synote Player

Multimedia

mikenew_2008_10_08_5 00:14

320 x 240 Play Pause Stop

Transcript

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Autoscroll is On Highlighting is Off

Synmarks

Start	End
0:24	
4:08	
4:51	
5:36	

Autoscroll is On Full view is On Mine only is On

Presentation

A Brief Guide to Using

synote
application that allo

Questions ?

Dr Mike Wald

m.wald@soton.ac.uk



www.synote.org