# Processing of Transparencies and Videos

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## **Processing Transparencies**



"Just so we're clear, the job comes with no benefits, no sick days and an embarrassingly low salary. Still interested?"

- the procedure is always the same:
   download PPT slides convert to PDF upload PDF slides
- in detail: separate overlapping contents and search for bad fonts
- time-consuming job, especially for embedded movies and animated gifs, because they need to be converted
- the good thing: it's an easy task AND there is a manual 😳

#### Where to find the Slides Processing Manual?

#### http://www.jacow.org/index.php?n=Editors.ProcessingTalks



## Contents of the Manual

- the working environment in the SPMS
- the upload/download procedure
- the different ways to convert PPT files to PDF (including special Save Options for document resolution, font embedding etc)

#### Processing transparencies - a step-by-step guide

This manual gives a detailed description of how to process conference slides to make them ready for publishing. The main goal of processing transparencies is to convert the presented PowerPoint slides to the portable data format PDF.

It is assumed that an SPMS instance has been set up before you start processing the transparencies. All screen shots and examples in this manual are taken from previous conferences and workshops.

Slides are an additional element presented in the JACoW conference proceedings They have been published since 2005 on the JACoW web site.

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#### Not part of the manual, but available as well ...

#### How to embed videos in pdf files

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#### Embedding videos in PDF files – general information

• Adobe Reader 9 and later support the following video formats:

Flash<sup>®</sup> and MPEG-4

• Not supported video formats like **avi** or **wmv** files need to be converted

A free converter tool is HandBrake



- HandBrake is a video transcoder, available for Mac OS, Linux and Windows
- Web page and user manual: http://handbrake.fr/downloads.php

#### Embedding animated gifs - what is an animated gif?

• An animated gif is a type of gif image that can be animated by combining several images into a single gif file



#### Example of an animated gif

Reference: http://visualizingmath.tumblr.com/post/527 43559077/a-torus-consists-of-a-central-axiswith-a-vortex

• Animated gifs must be converted twice before they can be embedded in a PDF document: from gif to AVI in a first step and in a second step from AVI to MPEG-4 • The good question is how to extract media files like videos and animated gifs from PowerPoint?



#### How to extract Media Files from PowerPoint Presentations

- From PowerPoint go to File and click Save As. Make sure you choose the .pptx format
- Go to the directory where you saved the presentation and rename the .pptx file to .zip
- Use an archive extractor tool, e.g. 7-zip, WinZip or (easier) just do a right-mouse-click to extract the .zip file contents

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#### How to extract Media Files from PowerPoint Presentations

• All images, videos and animated gifs are saved in a subfolder named **media**:



### How to convert animated gifs (to MPEG-4)

- Animated gifs must be converted from gif to AVI in a first step (and in a second step from AVI to MPEG-4)
- Software tools are:

Virtual Dub, (or Media Coder X64) and finally Handbrake

Download Virtual Dub from

http://sourceforge.net/projects/virtualdub/



### How to convert animated gifs with Virtual Dub



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### How to convert animated gifs (to MPEG-4)

#### In a second step convert the AVI file to MPEG-4 by using Handbrake

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#### How to insert videos in PDF documents

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### How to insert videos in PDF documents

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