



PROCESSING TRANSPARANCIES AND EMBEDDING ANIMATIONS

Jan Chrin, Paul Scherrer Institut
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Santos, Brazil

Who's Who, What's Where

	Task	Contact information
Michaela Marx	Wiki Pages IPAC lead	michaela.marx@desy.de
Raphael Müller	Software for video embedding	r.mueller@gsi.de
Jan Chrin	User orientation tutorial	jan.chrin@psi.ch

Getting to know your task: from PowerPoint to PDF

Input. .



Output. .



A new PDF document with

- all fonts embedded,
- intermediate and back-up slides removed
- videos embedded

PDF/A compliant documents for long-term archiving

- PDF/A is an ISO PDF version specialized for use in the long-term preservation of electronic documents.
- PDF/A prohibits features unsuitable for long-term archiving, e.g., font linking (as opposed to font embedding). All information necessary for displaying the document is embedded in the file, including all content (text, images and graphics), fonts, and color information.
- *However, PDF/A conformance also includes that:
Audio and video content is forbidden (!)*

Prerequisites

- PPspliT - Split animations add-in for PowerPoint

<http://www.dia.uniroma3.it/~rimondin/downloads.php>

- Video encoding - process that converts a video file from one format to another, to make videos viewable across different platforms and devices

<https://handbrake.fr/downloads.php>

<https://sourceforge.net/projects/virtualdub/>

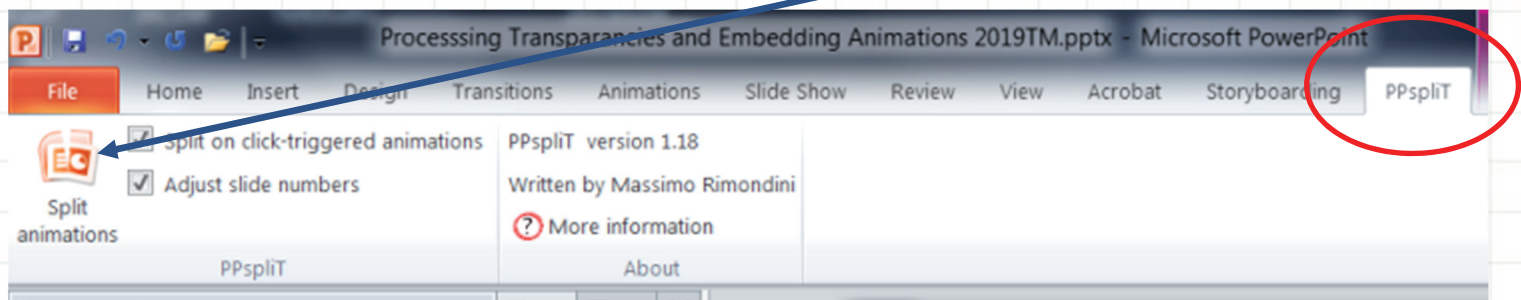
- Mac fonts - may be required for proper rendering of talks developed on Mac (new url)

<http://winweb.desy.de/home/mpymax/www/JACoW/>

Install the MAC fonts into folder `C:\Windows\fonts` on your PC

PPSpliT

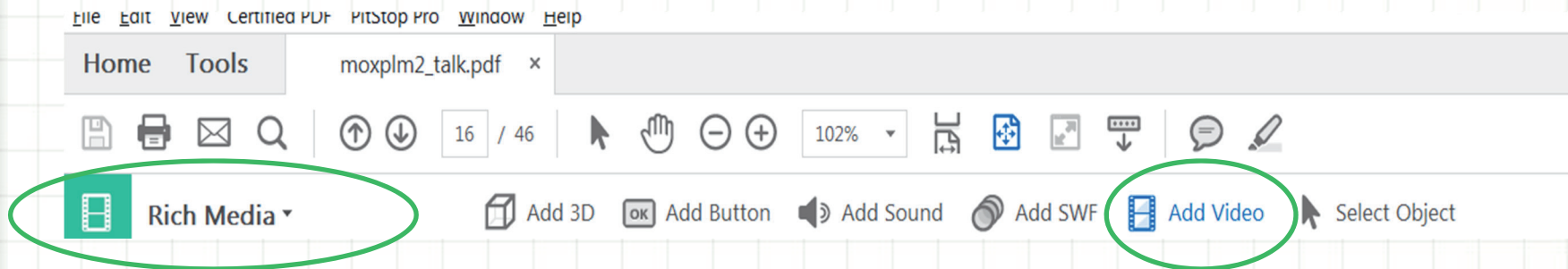
- <http://www.dia.uniroma3.it/~rimondini/downloads.php>
- PPspliT is a PowerPoint add-in that splits each slide into several slides, one for each animation effect that is applied to the shapes
- Install and restart ppt – PPspliT tab created
- To run the add-in just click the Split animations button on the left.



Remove superfluous intermediate transparencies

Embedding Videos

- Videos must be MPEG-4 (H.264) compliant (.mp4, .m4p, .m4v, .mov, ...)
- Select Tools -> Rich Media -> Add Video



Drag or double-click to select the area on the page where you want the video to appear (the media is to be placed in this area). An Insert dialog box opens that prompts you for the location of the media file to embed.

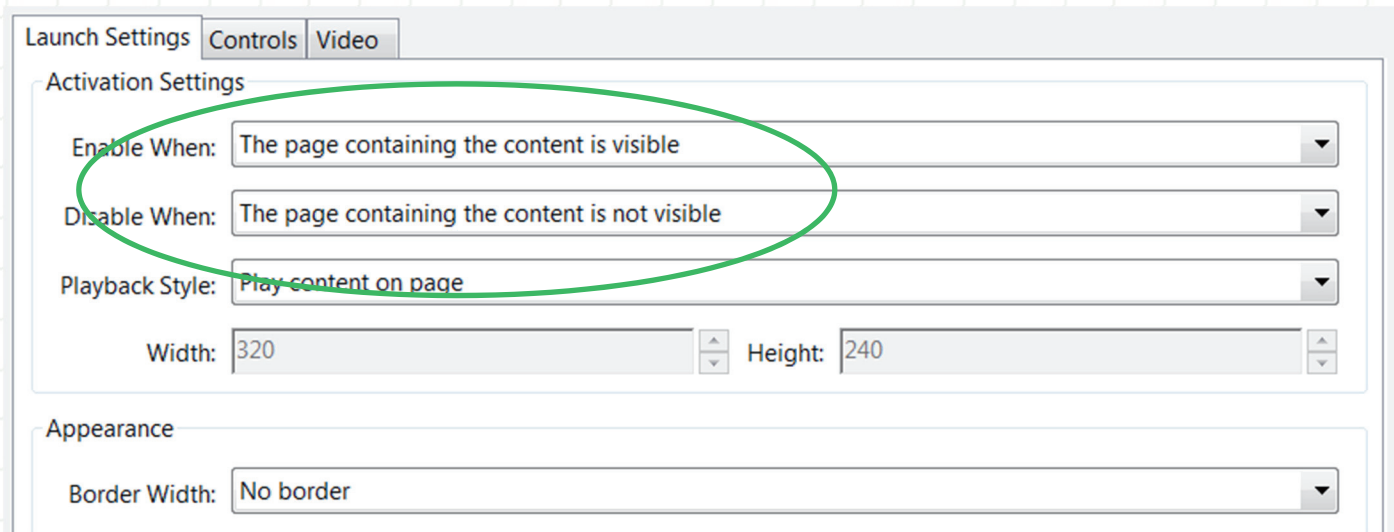
Embedding Videos (cont.)

Snap To Content Proportions

Ensures that the play area retains the height and width ratios of the original video or interactive content

Show Advanced Options

Opens the dialog for additional settings such as launch settings and playback controls.



The screenshot shows a settings dialog for video embedding. It has three tabs: 'Launch Settings', 'Controls', and 'Video'. The 'Launch Settings' tab is active. Under the 'Activation Settings' section, there are three dropdown menus: 'Enable When' (set to 'The page containing the content is visible'), 'Disable When' (set to 'The page containing the content is not visible'), and 'Playback Style' (set to 'Play content on page'). Below these are input fields for 'Width' (320) and 'Height' (240). The 'Appearance' section at the bottom has a 'Border Width' dropdown set to 'No border'. A green circle highlights the 'Enable When' and 'Disable When' dropdowns.

Launch Settings Controls Video

Activation Settings

Enable When: The page containing the content is visible

Disable When: The page containing the content is not visible

Playback Style: Play content on page

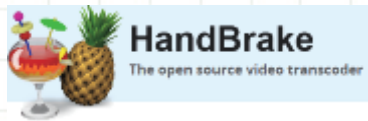
Width: 320 Height: 240

Appearance

Border Width: No border

Embedding Videos (cont.)

If not MPEG-4 (H.264) then several tools exist to convert to the required video format



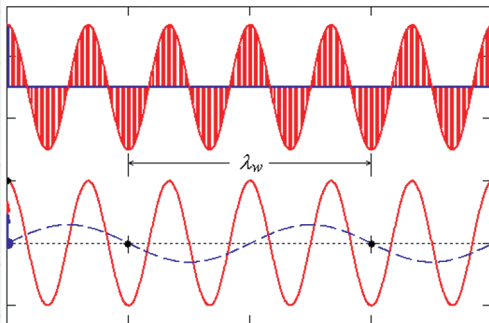
Handbrake video transcoder to convert avi and wmv files to MPEG-4

<https://handbrake.fr/downloads.php>



Virtual Dub video capture / video processing utility

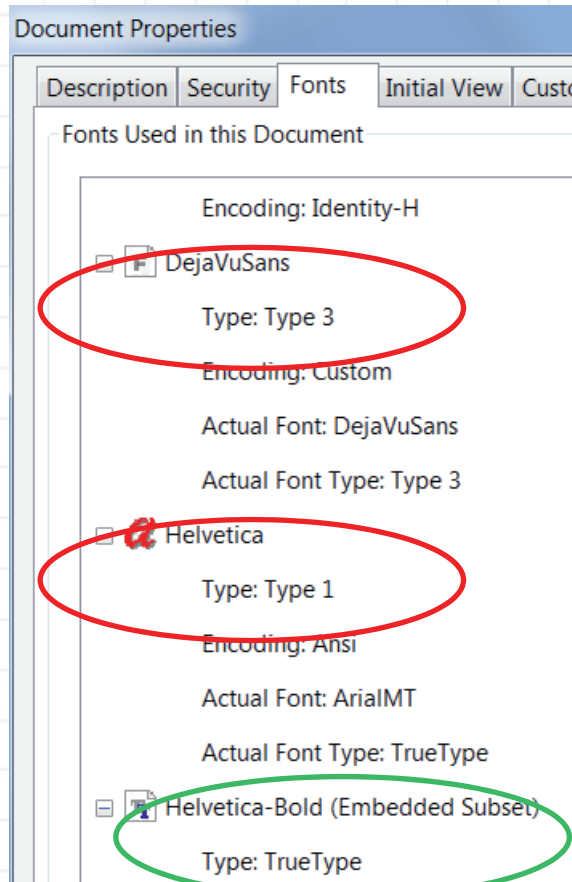
<https://sourceforge.net/projects/virtualdub/>



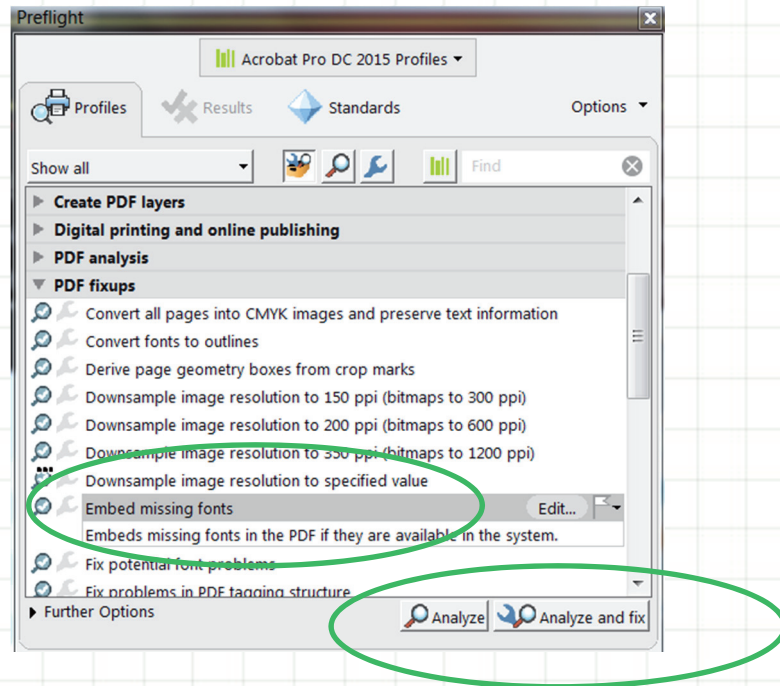
Animated gif:

Use Virtual Dub to convert gif to .avi
and then Handbrake to convert avi to mpeg4

Check for missing fonts



Check for missing fonts with Ctrl-d
Then Shift-Ctrl-x, and select
Embed missing fonts
and click Analyze and fix



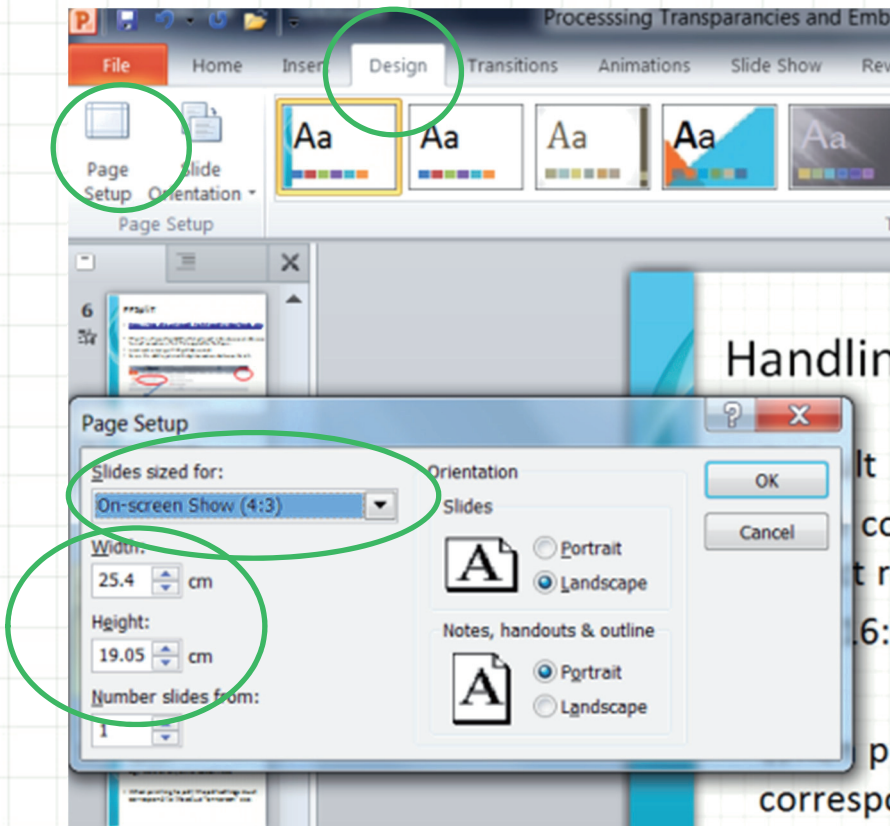
v. Enfocus PitStop Pro 2017
From Pitstop Pro tab Click Fix Missing Fonts tab
or Ctrl-Alt-V to Embed missing fonts

Handling Page Sizes Correctly (when printing to pdf)

- Default PPT Slide format is 4:3
- Some contributions may have different aspect ratios:
- e.g., 16:9 or any other custom size
- When printing to pdf, the pdf settings must correspond to the actual “on-screen” size

Handling Page Sizes Correctly (cont.)

- First check Page Setup for Size of Slides:



-> Design

-> Page Setup

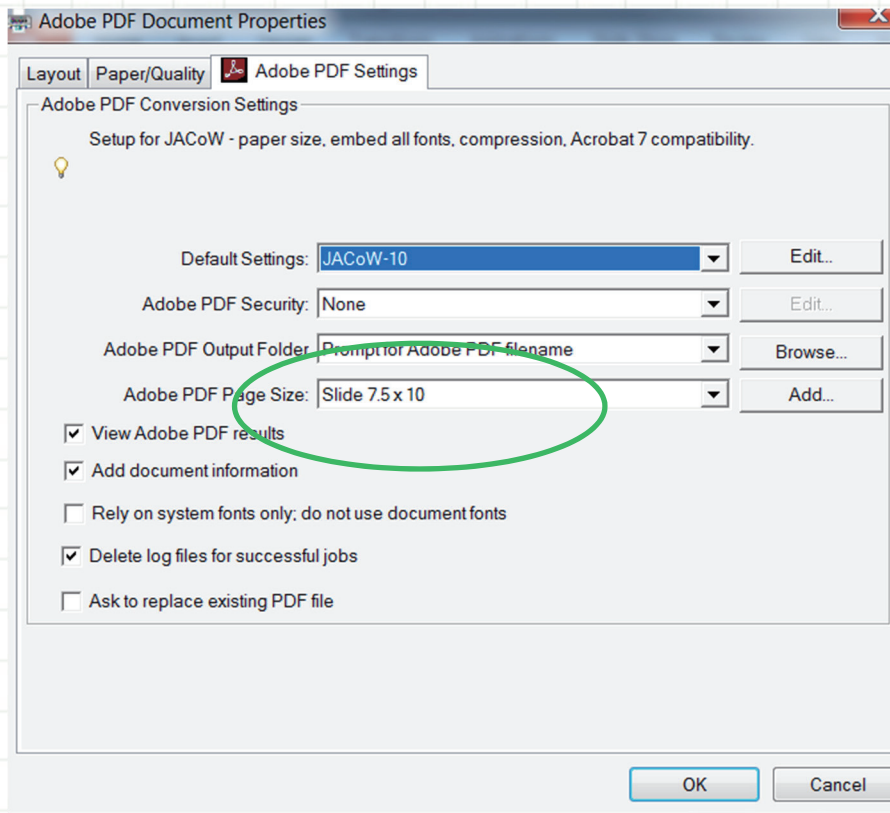
On-screen Show(4:3)

width 25.4 cm

height 19.05 cm

Handling wide-screen slides (cont.)

- Select Matching Adobe PDF Page Size in pdf settings

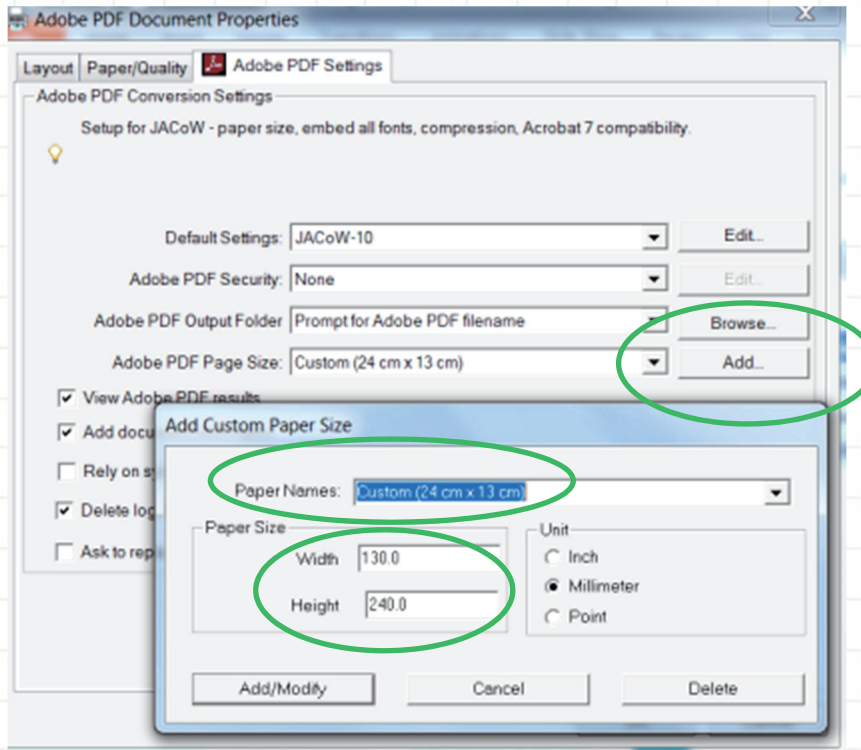


Slide 7.5 x 10

height 25.4 cm
width 19.05 cm

Height and width reversed
in comparison to values
retrieved from ppt page setup

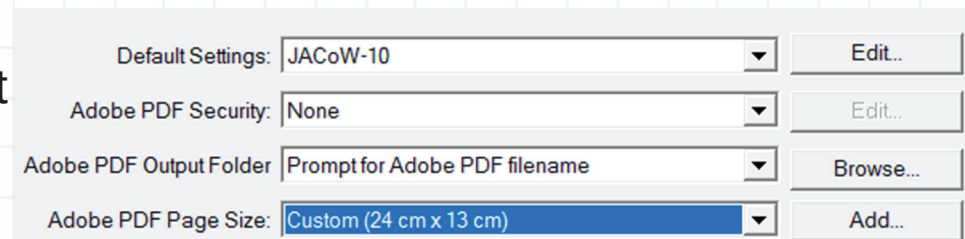
Handling Page Size Correctly (cont.)



Add and name new PDF Page Size
e. g. "custom 24x13"
Enter the values for width and height
in the height and width field
respectively!

PPT Page Setup	Adobe Page Size
On-screen Show (4:3)	Slide 7.5 x 10
On-screen Show (16:9)	14.29 cm x 25.4 cm
Custom size (24 x 13 cm)	13.0 cm x 24.0 cm

Select "Custom 24x13"
when printing to Adobe pdf



Handling Page Sizes Correctly (cont.)

- Finally when viewing pdf
Ctrl-Shift-R to rotate transparencies
by 90 degrees clockwise
for correct orientation
and save to file

Presentation Management Privilege

Please select the privileges you want enabled

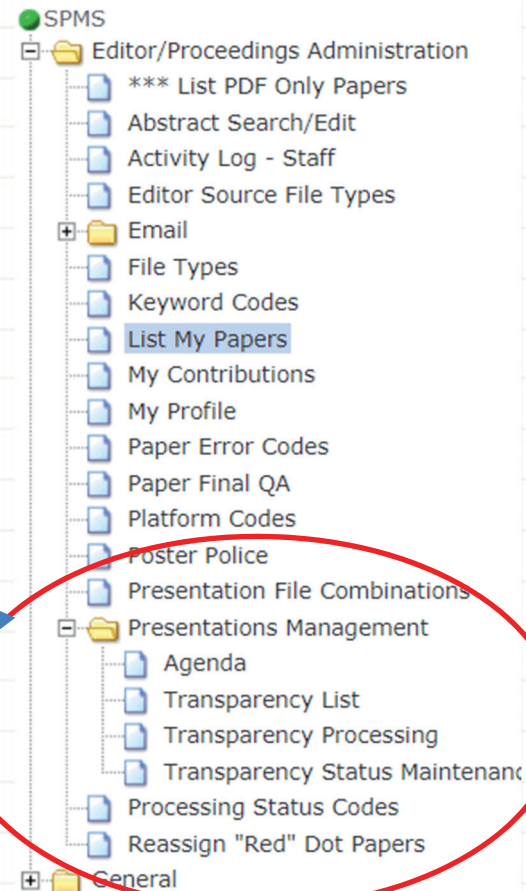
- ☐ Conference Administrator
- ☒ Conference Editor
- ☐ Editor QA
- ☒ Transparency Processing

Submit

Check *this* box to get *this* privilege.

If you don't see it as an option at SPMS log-in, ask your SPMS administrator.

Open All Close All



Presentation Management

	Invited Oral						Contributed Oral					
Day	Total	Assignable	Assigned				Total	Assignable	Assigned			
Monday	3	3	3	0	0	3	6	6	6	0	0	6
Tuesday	2	2	2	0	0	2	11	11	11	0	0	11
Wednesday	3	3	3	0	0	3	6	6	6	0	0	6
Thursday	4	4	4	0	0	4	10	10	10	0	0	10
Friday	2	2	2	0	0	2	5	5	5	0	0	5
Totals	14	14	14	0	0	14	38	38	38	0	0	38
												

[Get Next Transparency](#)

[List My Active Transparencies](#)

[List All My Transparencies](#)

Paper ID	Time	Status	Set Status	Upload	Download	Log
MOA01	Monday, 09:30	●	Green ▼ Set Status	Upload	Download	• File Uploaded [John Garrett De Villiers 22-OCT-19 11:10 (Europe/Paris)] MOA01.PDF • File Uploaded [John Garrett De Villiers 22-OCT-19 11:07 (Europe/Paris)] MOA01.tex • Email: [30-SEP-19 12:39 (Europe/Paris)] CYCLOTRONS 2019 Transparency Processing • Transparency Complete ● [Jan Chrin 30-SEP-19 12:39 (Europe/Paris)] Page 5 modified • File Uploaded [Jan Chrin 30-SEP-19 12:35 (Europe/Paris)] MOA01_TALK.PDF • Email: [25-SEP-19 15:40 (Europe/Paris)] MOA01 • Final QA Passed [Jan Chrin 24-SEP-19 09:07 (Europe/Paris)] • Email: [24-SEP-19 08:39 (Europe/Paris)] CYCLOTRONS 2019 Transparency Processing • Transparency Complete ● [Jan Chrin 24-SEP-19 08:39 (Europe/Paris)] pdf of update • File Uploaded [Jan Chrin 24-SEP-19 08:38 (Europe/Paris)] MOA01_TALK.PDF

Links to upload/download pages

When done, send a standard response

Assign Green Dot, else red if problems, and supply a brief report.

Yellow Dot status is NOT used (even if the option is there)

- Dear <Speaker>
- Your PowerPoint presentation was successfully converted to pdf, with all fonts embedded, *<and intermediate and back-up slides removed>*, ...
- The PDF of your talk has been processed, with all fonts embedded, ...
- ... and will be included in the conference/workshop proceedings. Please check the pdf of the talk <PAPERID>_TALK.pdf, and in case of problems, please contact: *email address*



Tutorial 2-B

Wed. 4 Dec. 14.00

Room Vila

- Getting to know your task
- Familiarizing yourself with the software environment
- Tips to help you along the way