

JACoW TM 2018: Update on Processing Slides

- what to do before you start -

Topics

- ▶ install video transcoder and flash player first
(Handbrake, Adobe Flash Player, Virtual Dub, Lightshot etc)
- ▶ insert PPspliT
- ▶ print slides in High Quality
- ▶ install MAC Fonts on a Windows PC
- ▶ convert slides to the correct format

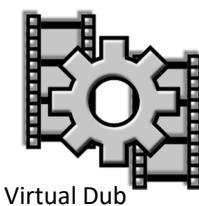
Michaela Marx, DESY, Hamburg, Germany, November 2018

Software you need: Video transcoder, Adobe Flash Player, a screen capture tool



HandBrake

The open source video transcoder



Virtual Dub



Adobe Flash Player



VLC media player



- ▶ **Handbrake** (video transcoder to convert avi and wmv files to MPEG-4)

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

- ▶ **Virtual Dub** (free video capture/video processing utility)

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

- ▶ **Adobe Flash Player**

<https://get.adobe.com/flashplayer/>

other useful tools

- ▶ **VLC Player** (free cross-platform multimedia player)

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

- ▶ **Lightshot** (to take customizable screenshots)

<https://app.prntscr.com/en/index.html>

Topics

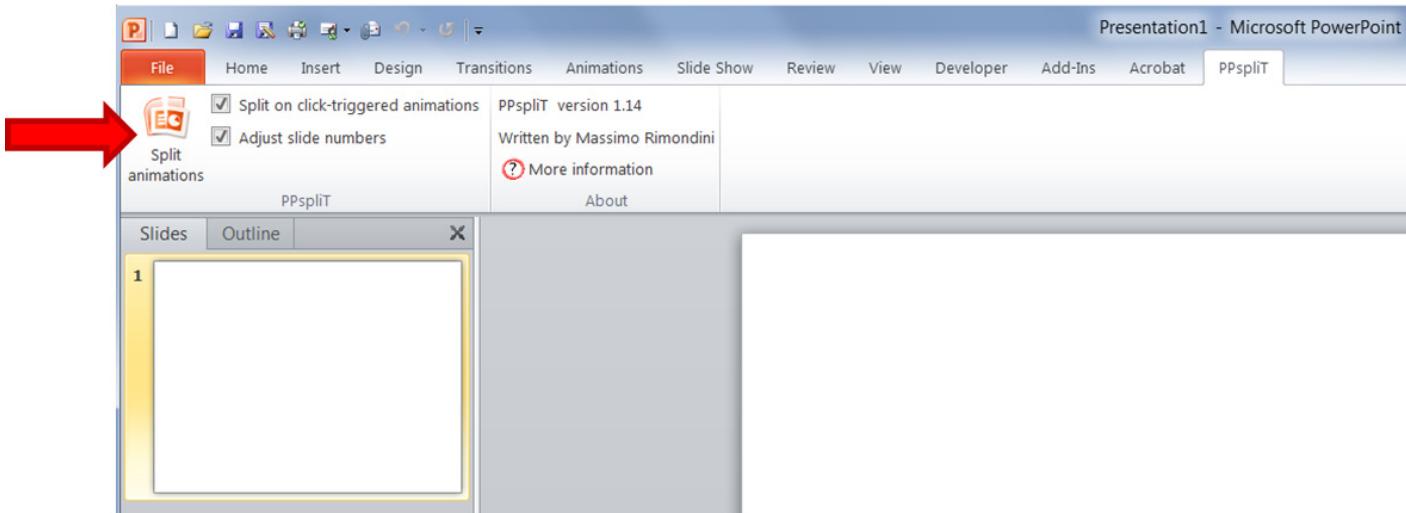
- ▶ install video transcoder and flash player first
(Handbrake, Adobe Flash Player, Virtual Dub, Lightshot etc)
- ▶ **PPsliT replaced the outdated Split Animations Macro**
- ▶ Check PPT print options - printing slides in High Quality
(for conversion from PPT to PDF using the Adobe PDF printer)
- ▶ Installing MAC Fonts on a Windows PC
- ▶ how to convert wide screen slides - 16:9 or user defined formats

PPspliT - A New Split Animations Add-In for PowerPoint

Massimo Rimondini (from Roma Tre University in Italy) has written a split animations macro for PowerPoint which is more accurate in splitting overlaps and therefore very useful for processing slides in a JACoW proceedings office.



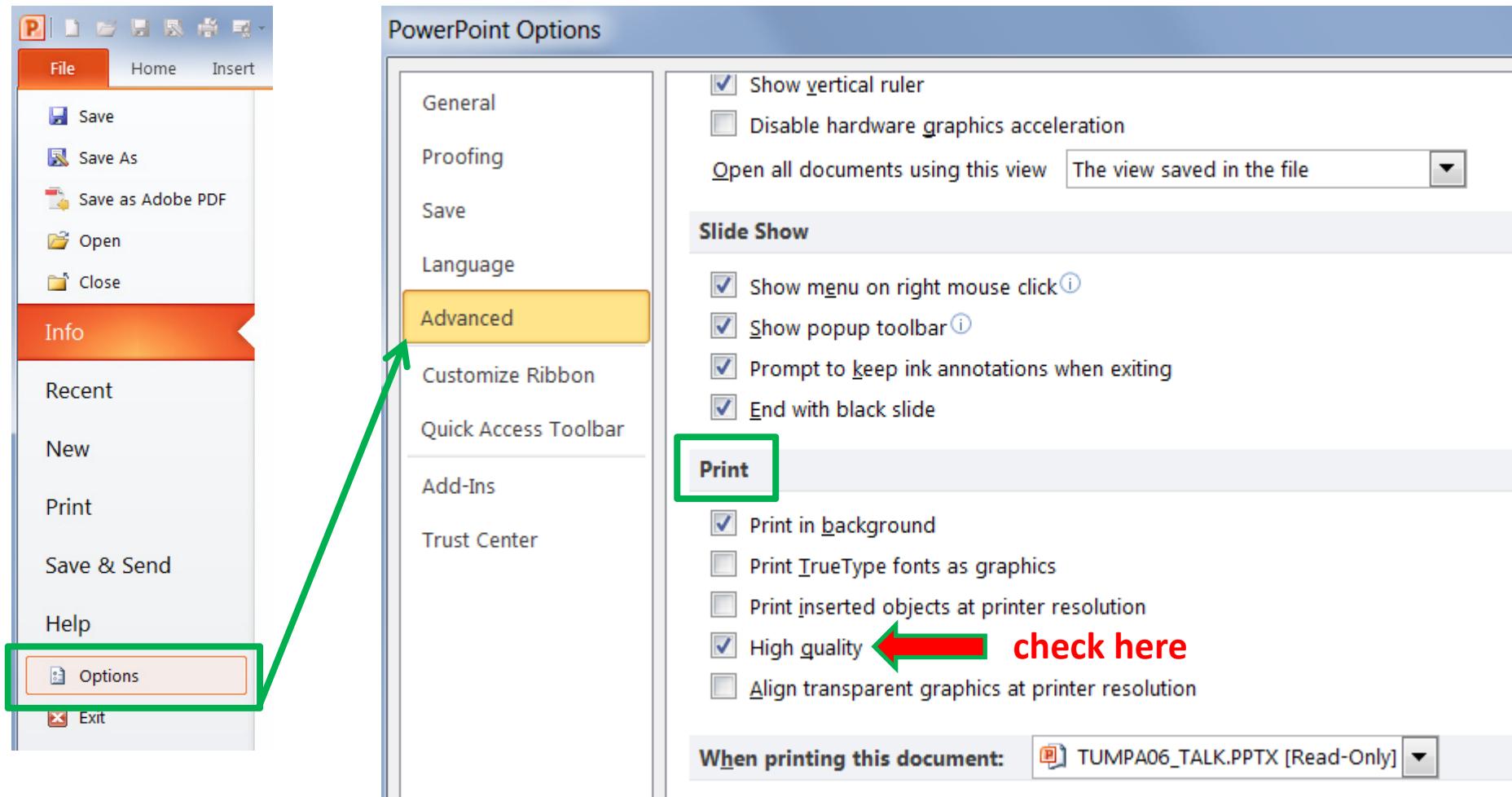
- ▶ Download the PPslitT installer from his web page at the following URL and use the supplied password “ppsplit” to unzip the file.
<http://www.dia.uniroma3.it/~rimondin/downloads.php>
- ▶ After the add-in has been installed PowerPoint offers a new tab named PPspliT. To run the add-in just click the Split animations button on the left.



Topics

- ▶ install video transcoder and flash player first
(Handbrake, Adobe Flash Player, Virtual Dub, Lightshot etc)
- ▶ PPsplit replaced the outdated Split Animations Macro
- ▶ **Check PPT print options - printing slides in High Quality
(for conversion from PPT to PDF using the Adobe PDF printer)**
- ▶ Installing MAC Fonts on a Windows PC
- ▶ how to convert wide screen slides - 16:9 or user defined formats

PowerPoint: How to enable the High Quality Print Option



PowerPoint Print Option: “High quality” should be enabled

Example PPT slide #1: text box is transparent



↓ after conversion to PDF
(by Printing to Adobe PDF)

PDF slide #1 => text box transparency disappeared



PPT slide #2 => water mark background

A PowerPoint slide featuring a watermark-style background image of Park Güell. The slide contains text about heat load compensation for the European XFEL, including a title, author info, and a reference to TUMPA06. The watermark image is semi-transparent, allowing the text to be read.

ICALEPCS2017
Barcelona - Spain, October 8-13 - Palau de Congressos de Catalunya

M. CLAUSEN ET.AL. –
RF HEAT LOAD COMPENSATION FOR THE EUROPEAN XFEL

↓ after conversion to PDF
(by Printing to Adobe PDF)

PDF slide #2 => background is gone

Why Heat Load Compensation?

- The static load in the XFEL cryo system @ 2K is roughly 600W
- The additional dynamic load @ 2K is currently about 350W @ 15GeV
- The change in the total load will change the amount of evaporated Helium in the 2K regime.
- As a result this would:
 - Change the total flow in the system.
This will cause problems – if not a system failure - for the cold compressors
 - Change the pressure in the 2K regime @ 30mbar. It could detune the cavities
- We have to avoid such a situation!

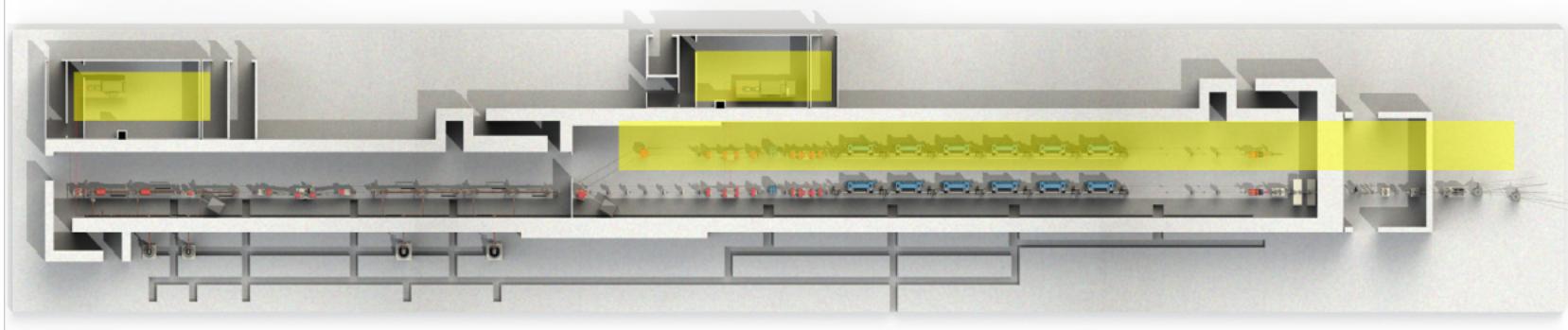
ICALEPCS2017
Barcelona - Spain, October 8-13 - Palau de Congressos de Catalunya

M. CLAUSEN ET.AL. –
RF HEAT LOAD COMPENSATION FOR THE EUROPEAN XFEL

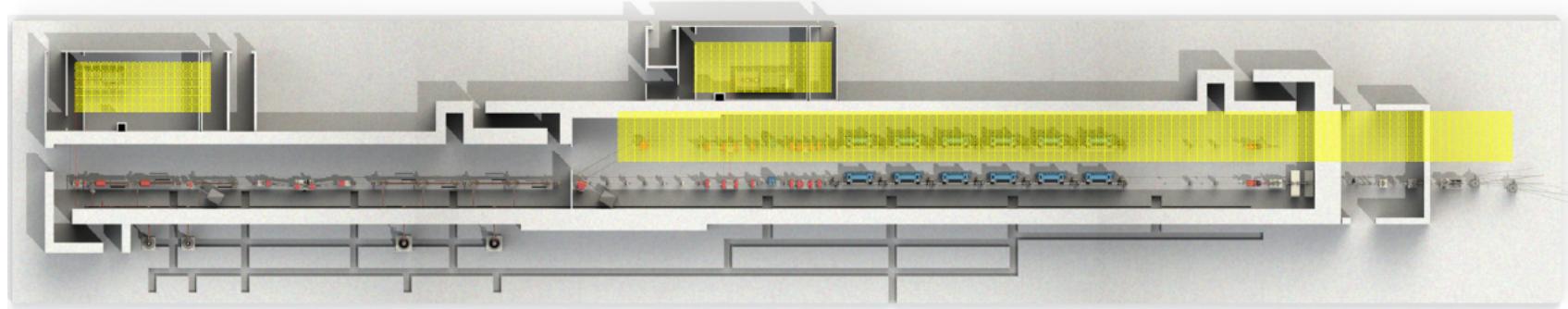
PowerPoint Print Option: “High quality” should be enabled

Example from FEL'17 presentation given by Weiqing Zhang, MOC04

image were the High Quality Print Option was enabled for conversion to PDF:



same image, but High Quality Print Option was disabled ► coarse overlaps

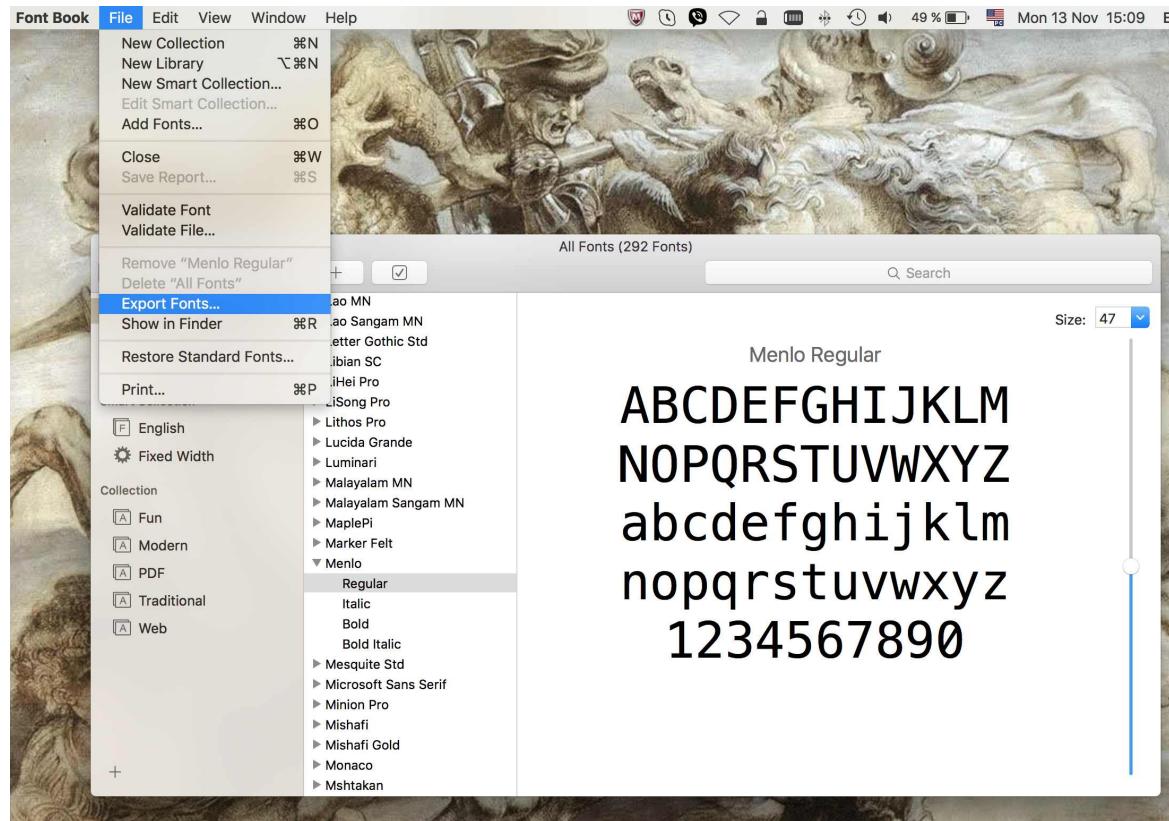


Topics

- ▶ install video transcoder and flash player first
(Handbrake, Adobe Flash Player, Virtual Dub, Lightshot etc)
- ▶ PPsplit replaced the outdated Split Animations Macro
- ▶ Check PPT print options - printing slides in High Quality
(for conversion from PPT to PDF using the Adobe PDF printer)
- ▶ **Installing MAC Fonts on a Windows PC**
- ▶ how to convert wide screen slides - 16:9 or user defined formats

Macintosh fonts

- MAC fonts are typically not installed on a Windows PC in the proceedings office, therefore the transparency editor needs to install the MAC fonts by himself
- MAC fonts can be copied from every Macintosh computer, look for **Library/Fonts** and **System/Library/Fonts** or export the fonts from the File menu

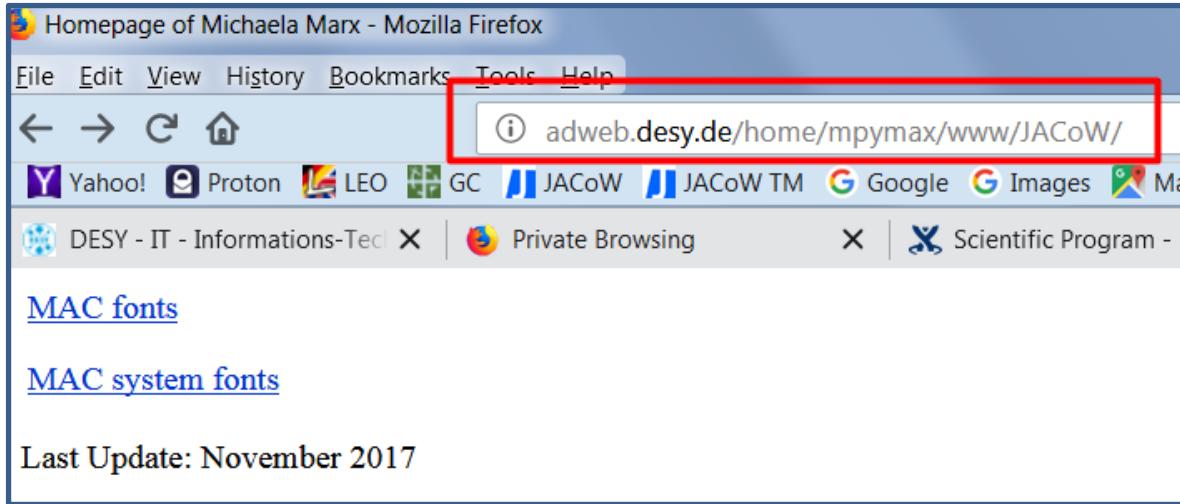


- copy the MAC fonts into folder C:\Windows\fonts on the Windows PC

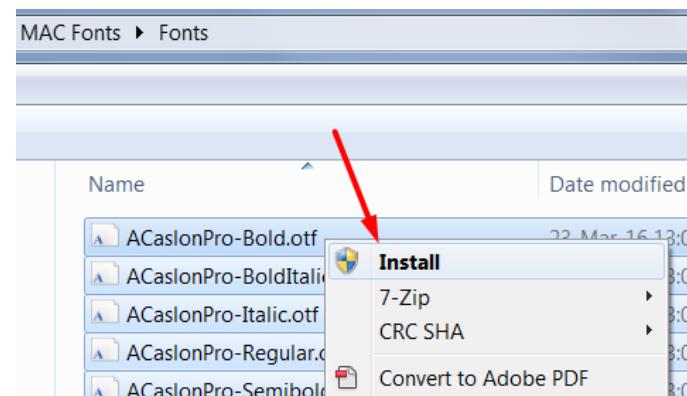
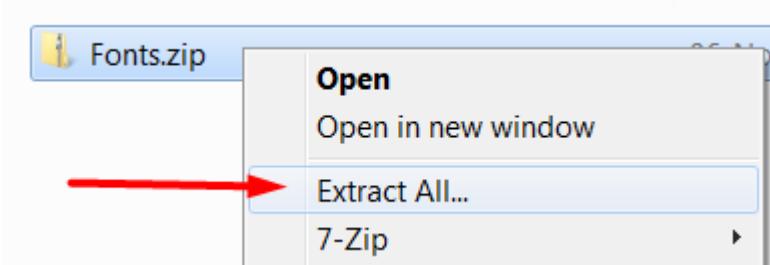
Installation of Macintosh fonts

- MAC fonts can alternatively be downloaded from Michaela's JACoW web page

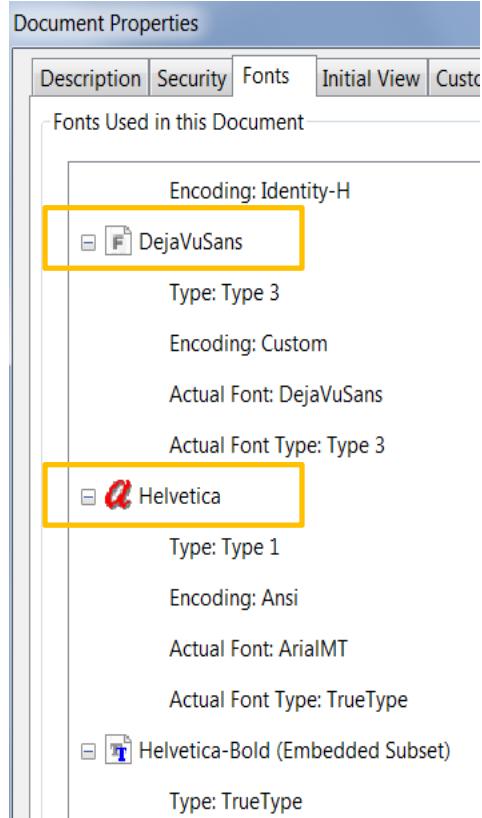
<https://winweb.desy.de/home/mpymax/www/JACoW/>



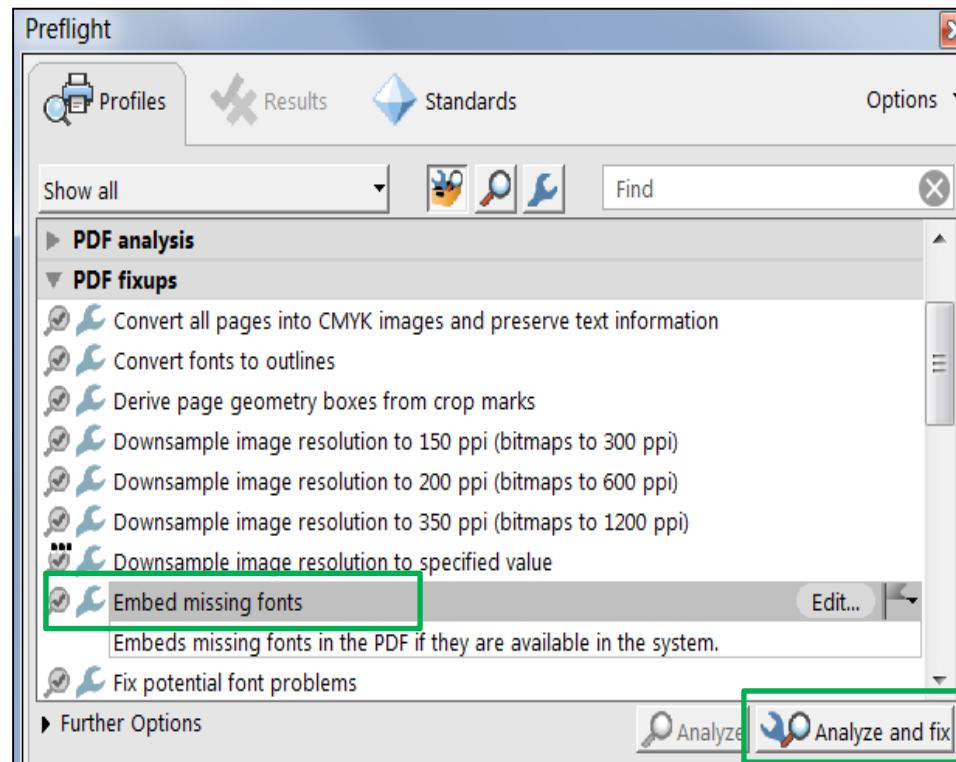
- download both zip files and do a right-mouse-click to extract the files
- do **CTRL+a** to select all files and do a **right-mouse-click to install** the fonts



How to embed missing Macintosh fonts in a PDF file (after the MAC fonts have been installed on your Windows PC)



- ▶ Check the font embedding with **CTRL+d**,
- ▶ here DejaVuSans and Helvetica fonts are no embedded
- ▶ do **SHFT-CTRL-x**, select “Embed missing fonts” and click the button named “Analyze and fix”



Topics

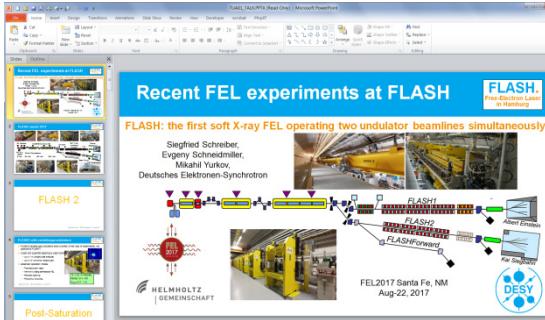
- ▶ install video transcoder and flash player first
(Handbrake, Adobe Flash Player, Virtual Dub, Lightshot etc)
- ▶ PPspLiT replaced the outdated Split Animations Macro
- ▶ Check PPT print options - printing slides in High Quality
(for conversion from PPT to PDF using the Adobe PDF printer)
- ▶ Embedding MAC Fonts on a Windows PC
- ▶ **how to convert wide screen slides - 16:9 or user defined formats**

How to convert different slide formats (e.g. 16:9, 4:3 or custom defined)

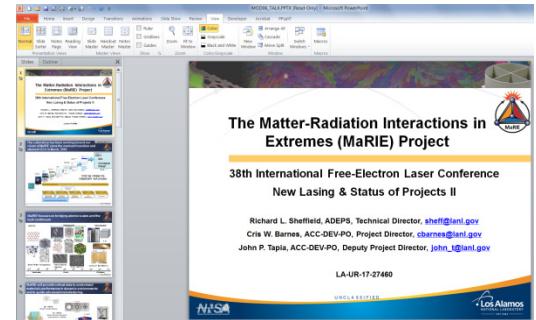
custom format



16:9 On-screen show



4:3 On-screen show



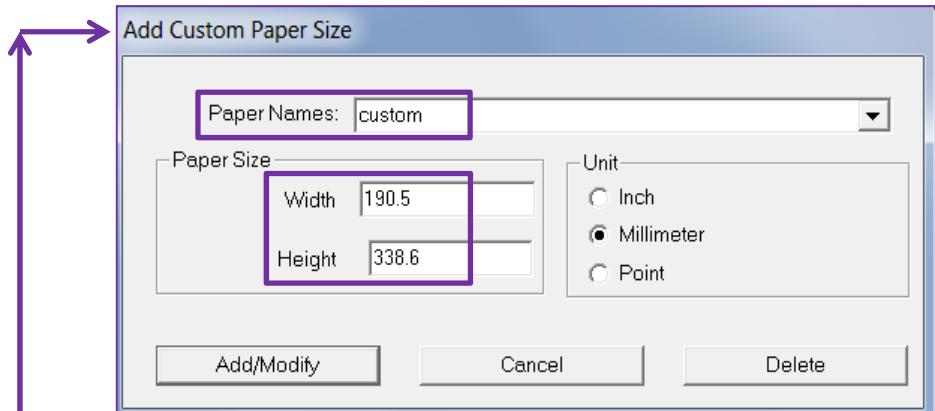
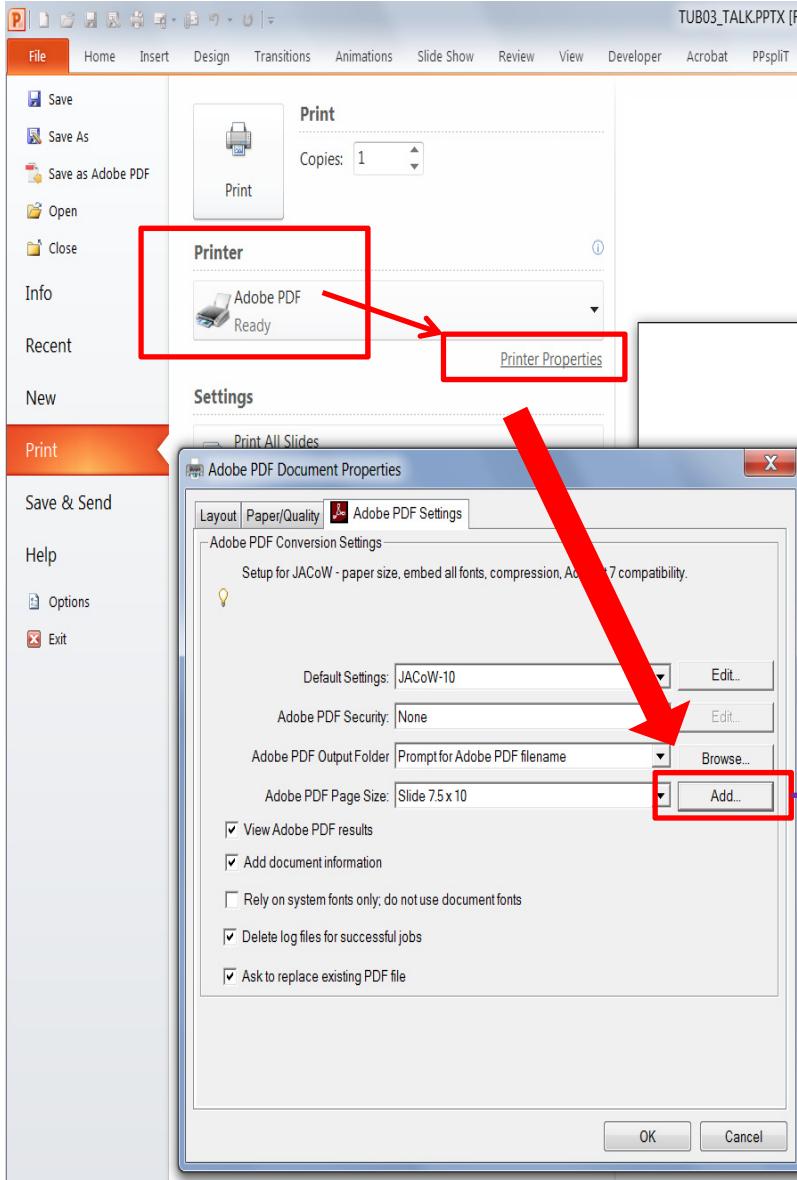
► default slides format for PPT

► to check the format → go to Design → Page Setup

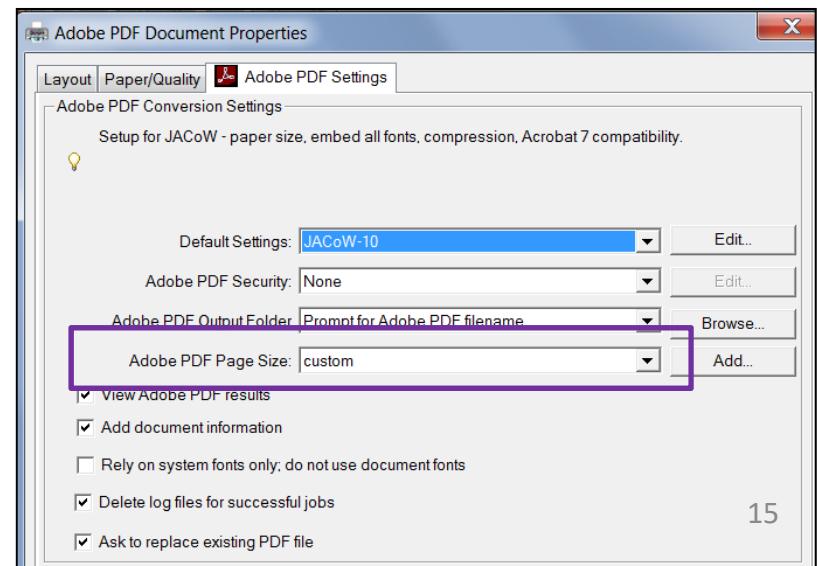
The 'Page Setup' dialog box is open, showing the 'Slides sized for:' dropdown set to 'Custom'. Three purple arrows point to the 'Width:' field (33.86 cm), 'Height:' field (19.05 cm), and 'Number slides from:' field (1).

► the **custom format** is a special case where you need to modify the Adobe Printer Properties to define a new PDF Page Size

How to convert different slide formats (e.g. a custom defined format)



- ▶ Give the new PDF Page Size a name, e.g “custom” and enter the values for width and height the other way round, which means width will be height and height will be width...
- ▶ select “custom” for the page size to print the slides



How to convert 16:9 slides

The screenshot shows a Microsoft PowerPoint slide titled "Recent FEL experiments at FLASH". The slide content includes:

- A title slide with the title "Recent FEL experiments at FLASH" and the subtitle "FLASH: the first soft X-ray FEL operating two undulator beamlines simultaneously".
- A photograph of the FLASH facility.
- A schematic diagram of the FLASH particle accelerator and experimental stations, labeled "FLASH1", "FLASH2", and "FLASHForward".
- Text about the team: "Siegfried Schreiber, Evgeny Schneidmiller, Mikahil Yurkov, Deutsches Elektronen-Synchrotron".
- Information about the experiment: "FEL2017 Santa Fe, NM Aug-22, 2017".
- Logos for DESY and Helmholtz Gemeinschaft.



The screenshot shows the "Page Setup" dialog box with the following settings:

- Slides sized for: On-screen Show (16:9)
- Width: 25.4 cm
- Height: 14.29 cm
- Number slides from: 1
- Orientation: Slides (Portrait)
- Notes, handouts & outline (Portrait)

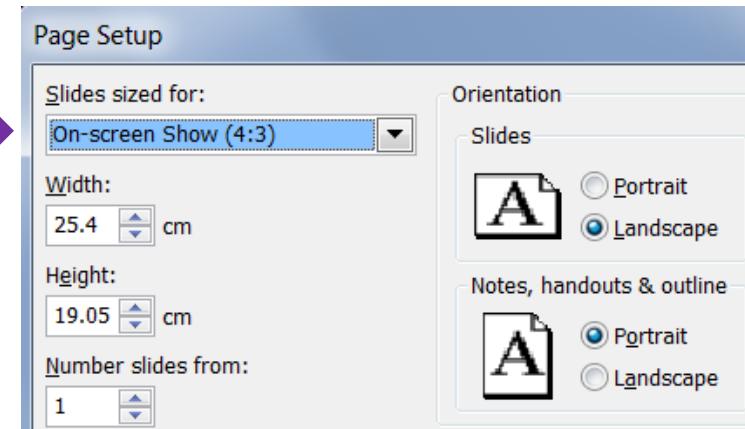
The screenshot shows the "Adobe PDF Document Properties" dialog box with the "Adobe PDF Settings" tab selected. The "Adobe PDF Conversion Settings" section contains:

- Default Settings: JACoW-10
- Adobe PDF Security: None
- Adobe PDF Output Folder: Prompt for Adobe PDF filename
- Adobe PDF Page Size: On-Screen Show
- Checkboxes:
 - View Adobe PDF results
 - Add document information
 - Rely on system fonts only:
 - Delete log files for successful runs:
 - Ask to replace existing PDF file:

► for the On-screen Show (16:9)
select **On-Screen Show** from
the list of available formats

How to convert 4:3 slides

The screenshot shows a Microsoft PowerPoint slide titled "The Matter-Radiation Interactions in Extremes (MaRIE) Project". The slide includes a logo for MaRIE, text about the 38th International Free-Electron Laser Conference, and contact information for Richard L. Sheffield, Cris W. Barnes, and John P. Tapia. It also features the NASA logo and a UNCLASSIFIED classification. A large purple arrow points from this slide to the "Page Setup" dialog box.



The screenshot shows the "Adobe PDF Document Properties" dialog box. The "Layout" tab is selected. Under "Adobe PDF Conversion Settings", it says "Setup for JACoW - paper size, embed all fonts, compression, Acrobat 7 compatibility." The "Default Settings" dropdown is set to "JACoW-10". The "Adobe PDF Page Size:" dropdown is set to "Slide 7.5 x 10", which is highlighted in blue. Other options in the dropdown include Ledger, Legal, Letter, On-Screen Show, Oversize A0, Oversize A1, Oversize A2, Screen, Tabloid, and Slide 7.5 x 10.

- ▶ for the On-screen Show (4:3)
select **Slide 7.5 x 10** from the list of available formats
- ▶ this format (4:3) is the default PPT format for slides

JACoW TM 2018: Update on Processing Slides

- what to do before you start -

Topics

- ▶ install video transcoder and flash player first
(Handbrake, Adobe Flash Player, Virtual Dub, Lightshot etc)
- ▶ insert PPspliT
- ▶ print slides in High Quality
- ▶ install MAC Fonts on a
Windows PC
- ▶ convert slides to the
correct format

