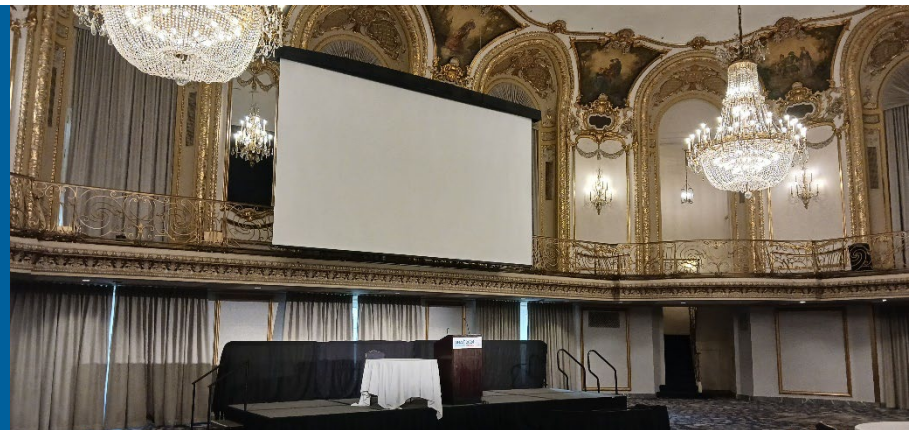


EDITING TRANSPARENCIES



KENT P. WOOTTON

Argonne National Laboratory

6th November 2024

AN EXAMPLE

LINAC2024 Program Highlights

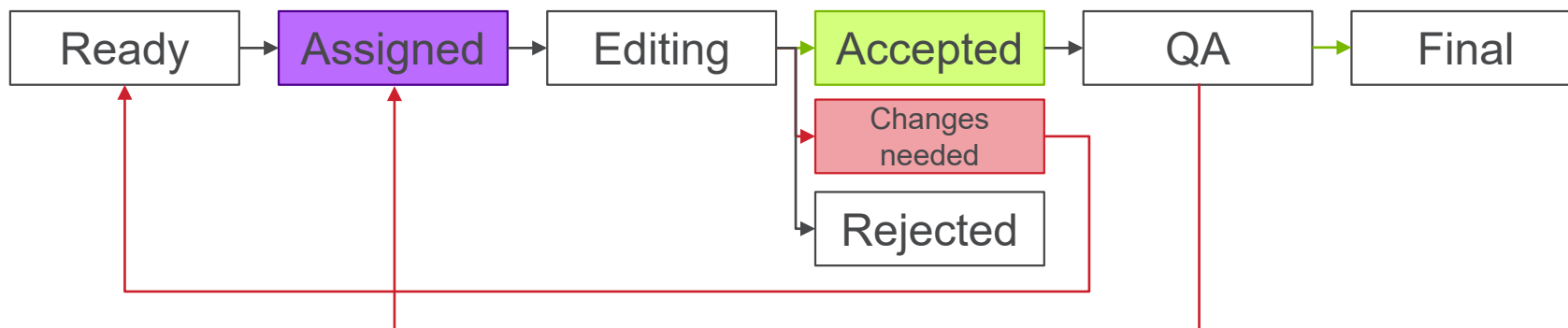
- Program
 - 50 invited presentations
 - 32 oral posters
 - 286 posters
- Industrial/exhibitor session
 - Exhibitor lightning round presentations

Goal: Process slides for publication as part of proceedings



PROCESSING WORKFLOW

- Slide editing process flowchart



- Whole process, requirements somewhat opaque and unfamiliar to authors
 - Familiar green-dot, red-dot
 - 'Rejected' basically used when authors do not want their slides included in proceedings (quite rare), or they submit a poster as slides.

PREPARING INDICO



- Before conference starts
- Conference roles
 - JES JACoW Slides Editor
 - JTA JICT Tools Access
 - SCS JACoW – QA
 - WSP Speaker Preparation (JICT)

Role	Count	Actions
ADM Event admins	6 people	edit, delete, share
CC LOC Coordination Committee	11 people	edit, delete, share
JAR JACoW - Author Reception	4 people	edit, delete, share
JEN JACoW - Normal Editor	8 people	edit, delete, share
JEP JACoW - PreConf Editor	4 people	edit, delete, share
JES JACoW - Slides Editor	7 people	edit, delete, share
JIT JACoW - IT	1 person	edit, delete, share
JSA JICT Admin	6 people	edit, delete, share
JSP JACoW - Speaker Preparation	4 people	edit, delete, share

PREPARING INDICO



◀ Editing (Slides)

File types

* ⓘ ⓘ

Modified files for the proce...
keynote, odp, pdf, ppt, pptx, tex, zip

* ⓘ ⓘ

PDF
pdf

* ⓘ ⓘ

Source file
keynote, odp, ppt, pptx, tex, zip

+ Add a new file type

- Before conference starts
- What can authors submit?
 - Modified files for the proceedings
 - PDF
 - Source file
- Initially
 - *.pdf mandatory, publishable
 - *.pptx optional

Doing this again, I would make source file and PDF mandatory

Edit file type

! Take into account that this file type has files attached to it.

Name *
PDF

Filename template
{code}.talk
Glob-style filename template that all files of this type have to conform to (e.g. *_paper). No dots allowed. It is possible to use {code} as a placeholder for the contribution program code.

Extensions
pdf x

Allowed file extensions. If left empty, there are no extension restrictions

Options

File required
Whether the file type is mandatory

Multiple files
Whether the file type allows uploading multiple files

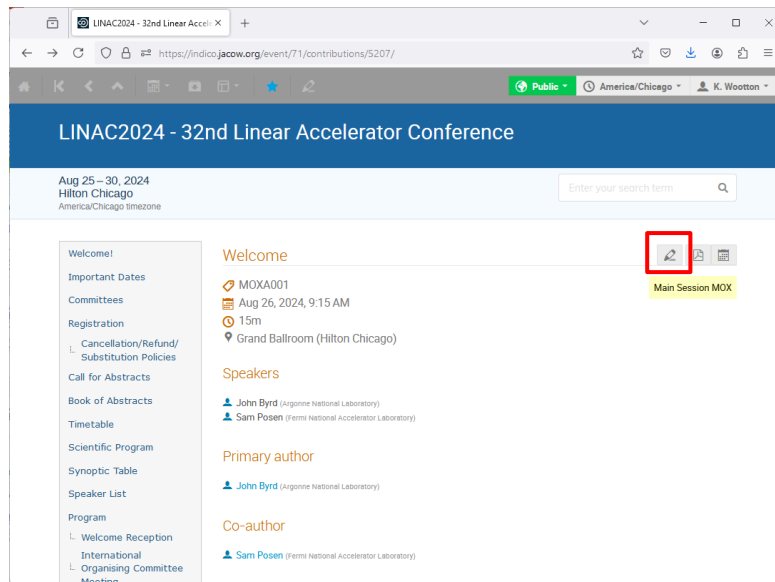
Publishable
Whether the files of this type can be published

Submit Close

READY?



- Ideally at this point you would wait and receive all the files needed
- But these are slides...
 - (Some) authors show up to speaker ready room with files on thumb drive, for instance
 - Process to get slides into Indico

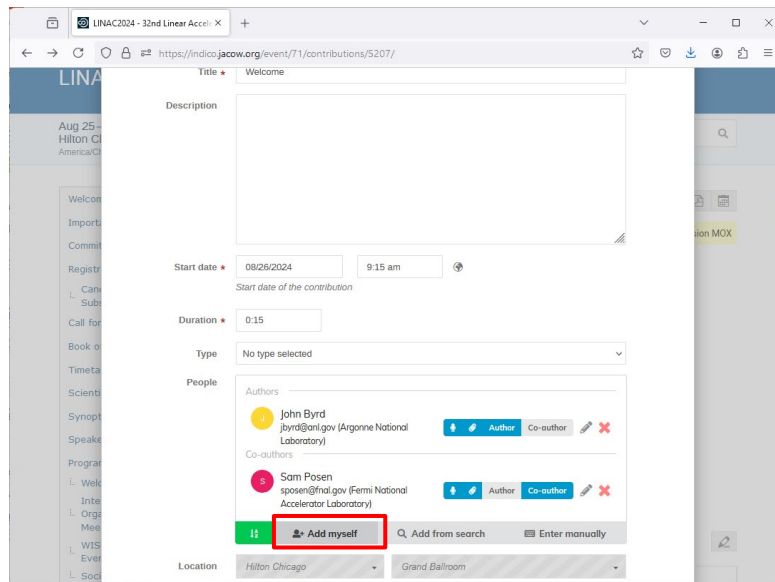


- Go to the contribution, edit

READY?



- Ideally at this point you would wait and receive all the files needed
- But these are slides...
 - (Some) authors show up to speaker ready room with files on thumb drive, for instance
 - Process to get slides into Indico



- Add yourself as author, save.
- Upload initial set of files as an author.
- Remove self as an author.
- Start editing in editor role.

EDITING COMPUTER READY



- IPAC Instructions
 - https://ipac-docs.jacow.org/PaperEditing/Slides/2_Prerequisites/
- e.g. Windows 11 PC used for paper editing
 - Microsoft Powerpoint
 - Adobe Acrobat Pro
- Video/Animation editing
 - PPSplit (splitting animations)
 - Handbrake is a video transcoder to convert video files (e.g. .avi to .mp4).
 - Virtual Dub is another option to convert video files.
 - Convertio file converter (online, web browser). Converts animated GIFs directly to mp4.

ASSIGNING EDITOR



- Same process as papers
- Toggle yourself to editor
- Once you are editor, download most-recent associated files (*.zip)

Editing - LINAC2024 - 32nd Linear Accelerator

https://indico.jacow.org/event/71/contributions/5460/editing/slides

Home » Conferences » LINAC » LINAC2024 - 32nd Linear Accelerator...

Slides Editing

Editable list

OTHER MODULES

- Call for Abstracts
- Peer Reviewing

OTHER VIEWS

- Display
- Management

LINAC2024 - 32nd Linear Accelerator Conference

A laser plasma wakefield electron accelerator for the Advanced Photon Source and Low-Energy Accelerator Facility #431 THAA012

Accepted

Kent Wootton submitted for the contribution A laser plasma wakefield electron accelerator for the Advanced Photon Source and Low-Energy Accelerator Facility

Kelly Jaje is the assigned editor (unassign)

#1 - Kent Wootton has submitted files - August 12, 2024 3:28 PM

Modified files for the proceedings

PDF

THAA012_talk.pdf

Source file

THAA012_talk.pptx

No files uploaded

Download ZIP

#2 - Kent Wootton has submitted files - August 28, 2024 8:48 AM

Modified files for the proceedings

PDF

THAA012_talk.pdf

Source file

THAA012_talk.pptx

No files uploaded

EDITING



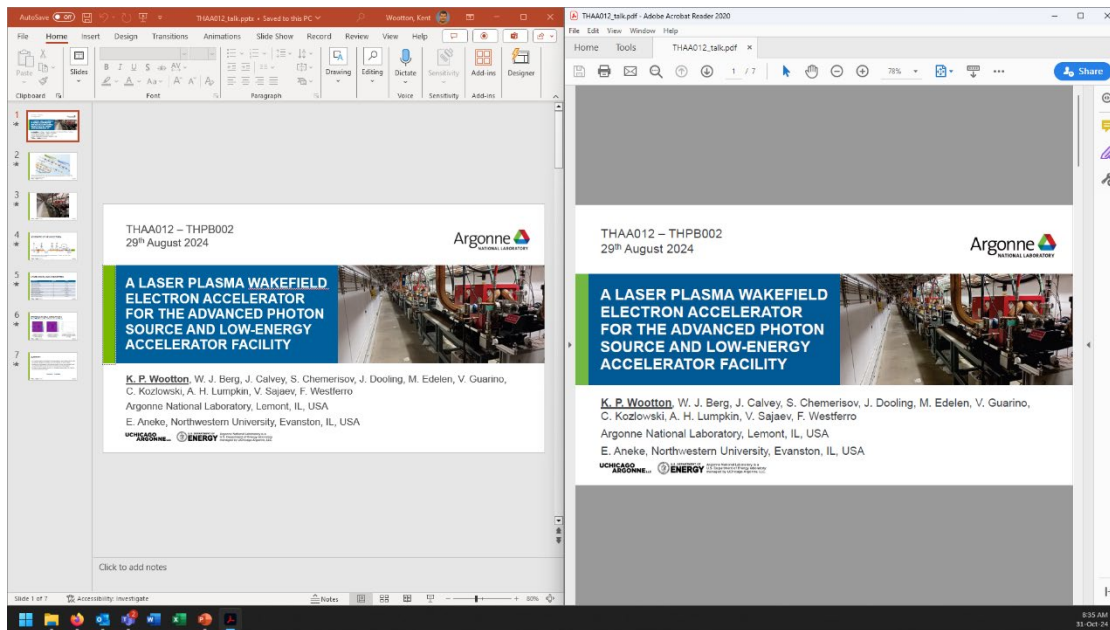
Item	Frequency?
Check whether author submitted modified file for the proceedings	Rare
Check for font embedding	Often
Check for overlapping/misplaced content	Rare
Embed videos/animations	Rare
Remove any included backup slides	Often

MODIFIED FILE FOR THE PROCEEDINGS

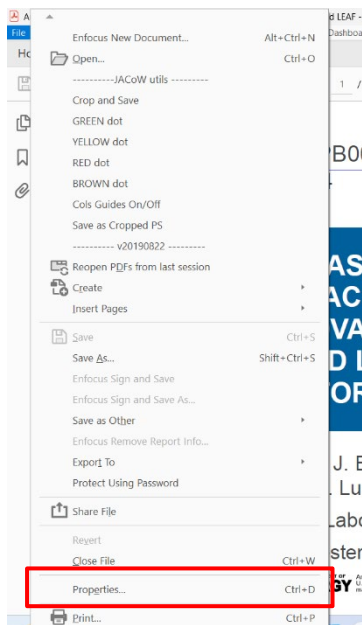


- Intended to remove embargoed material (e.g. some journals)
- Lots of author confusion
 - Rare for authors to submit anything here
 - When submitted, often duplicate of source file
- Compare side-by-side

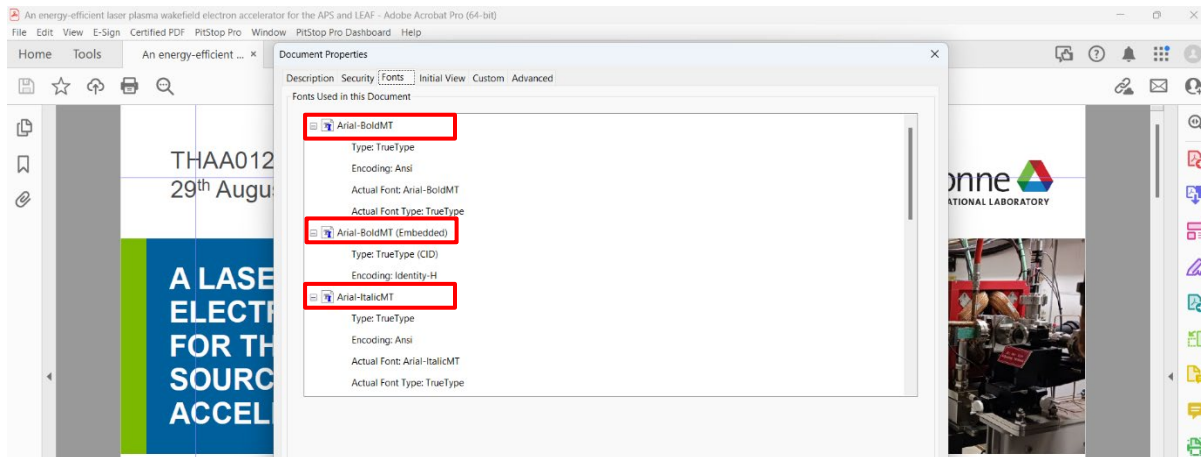
Doing this again, I would give authors clear instructions



FONT EMBEDDING



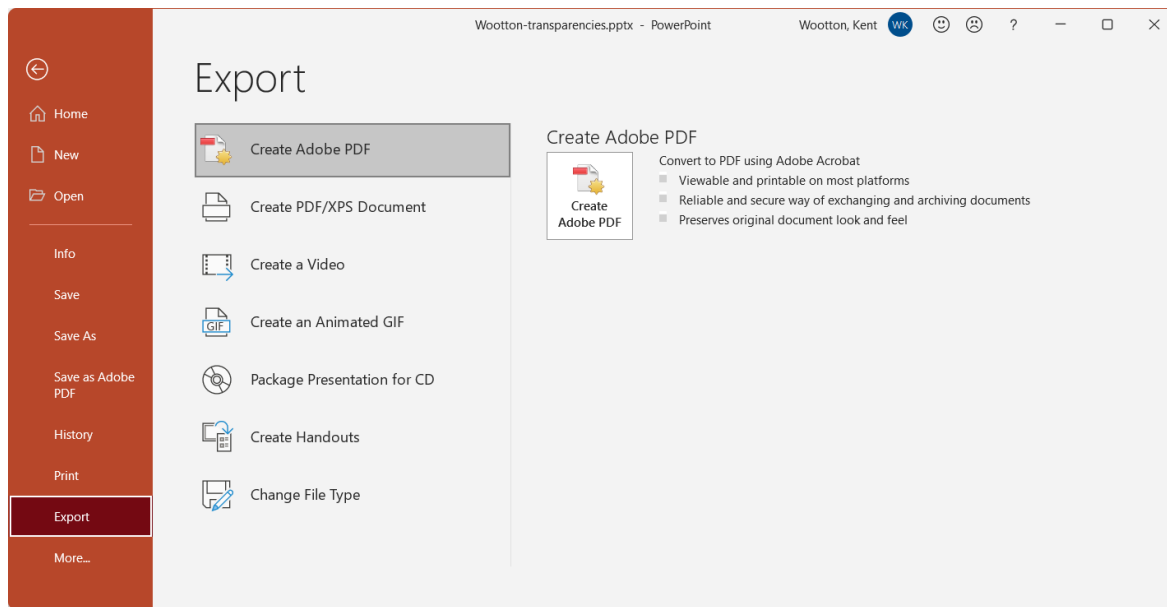
- Are the fonts embedded?
- File > Properties > Fonts (Ctrl-D)
- Want embedded subsets



IF FONTS NOT EMBEDDED?



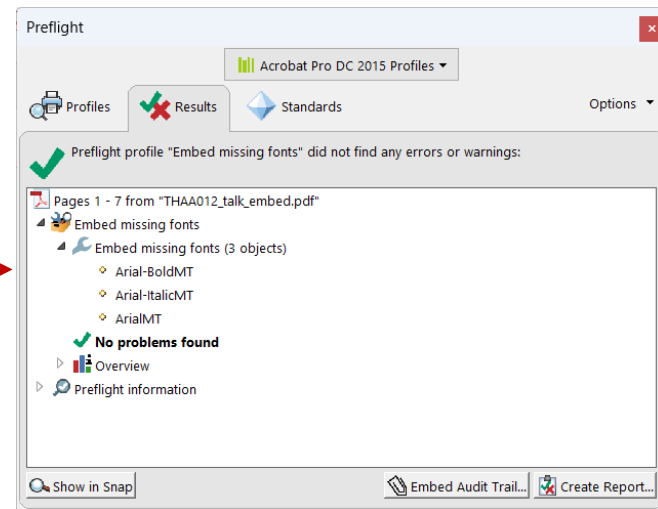
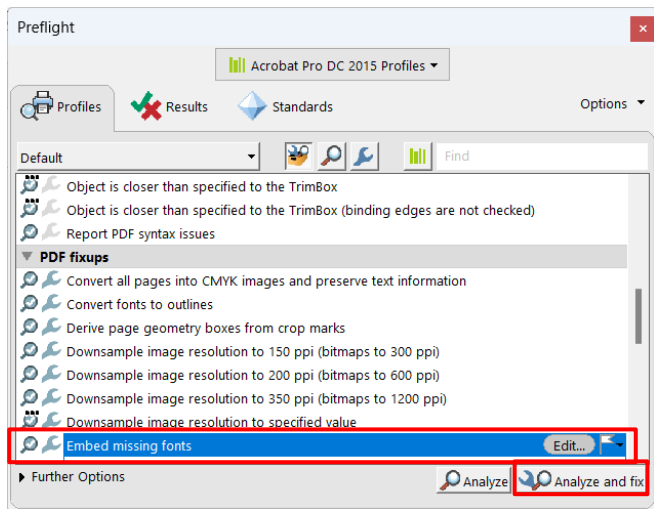
- My preference: if author submitted source *.pptx file, print new *.pdf from that
 - Export > Create Adobe PDF



IF FONTS NOT EMBEDDED?



- Some authors only submit *.pdf (e.g. LaTeX or Keynote)
- In Adobe, call up Preflight (Shift-Ctrl-X)
- Select embed missing fonts, then 'Analyze and fix'



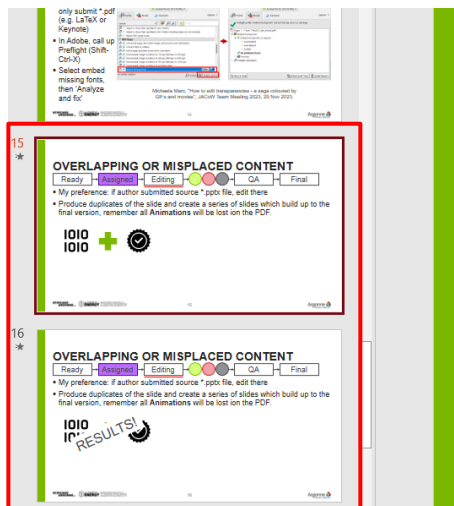
Michaela Marx, "How to edit transparencies - a saga coloured by GIFs and movies", JACoW Team Meeting 2023, 29 Nov 2023.

OVERLAPPING OR MISPLACED CONTENT



- My preference: if author submitted source *.pptx file, edit there
- Produce duplicates of the slide and create a series of slides which build up to the final version. All animations will be lost in PDF.

IOIO
IOIO



OVERLAPPING OR MISPL



- My preference: if author submitted source
- Produce duplicates of the slide and create a series of slides which build up to the final version, remember all Animations w

IOIO
IOIO



OVERLAPPING OR MISPLACED CONTENT



- My preference: if author submitted source *.pptx file, edit there
- Produce duplicates of the slide and create a series of slides which build up to the final version. All animations will be lost in PDF.

IOIO
IOIO
RESULTS!

OVERLAPPING OR MISPL



- My preference: if author submitted source
- Produce duplicates of the slide and create a series of slides which build up to the final version, remember all Animations w

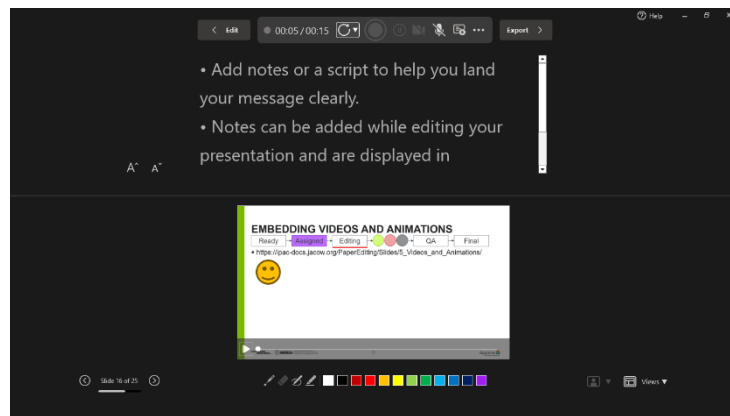
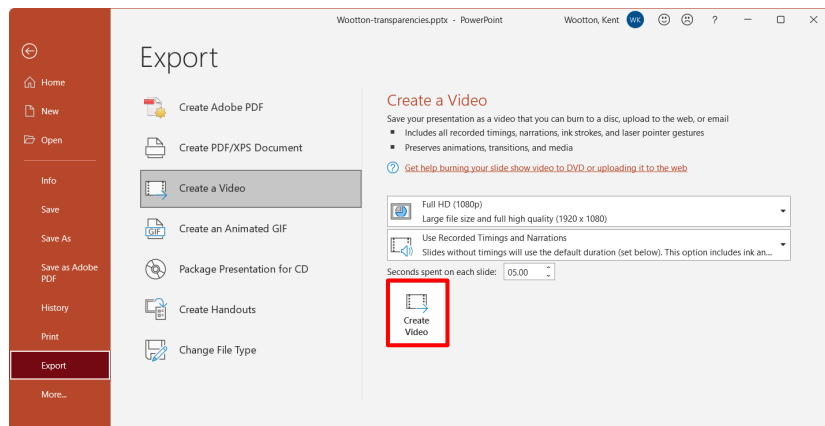
IOIO
IOIO



EMBEDDING VIDEOS AND ANIMATIONS



- https://ipac-docs.jacow.org/PaperEditing/Slides/5_Videos_and_Animations/
- Copy slide deck to new *.pptx file
- Keep **only** slide with animation to be recorded
- Record slide of animations, export video (PP)
- Insert video into *.pdf (Adobe)

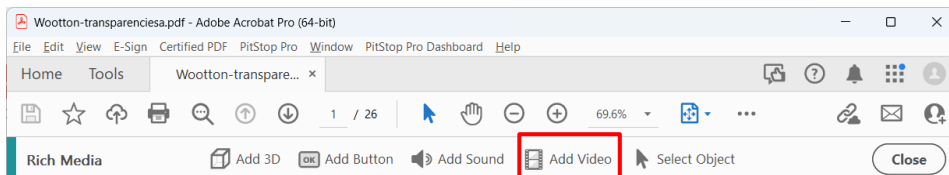
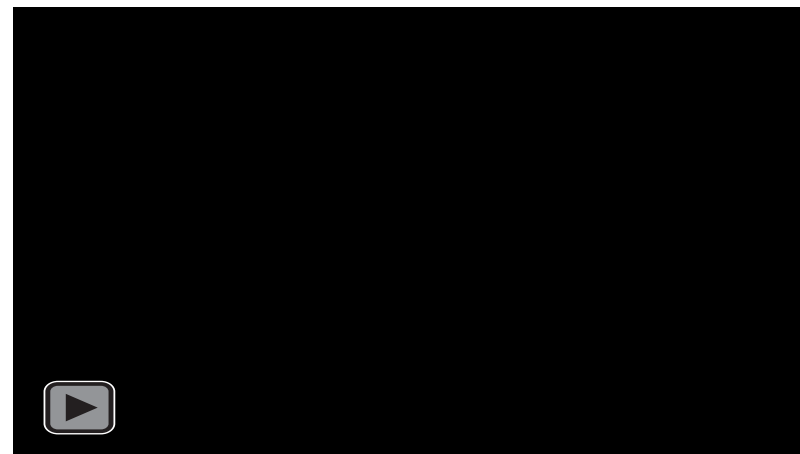
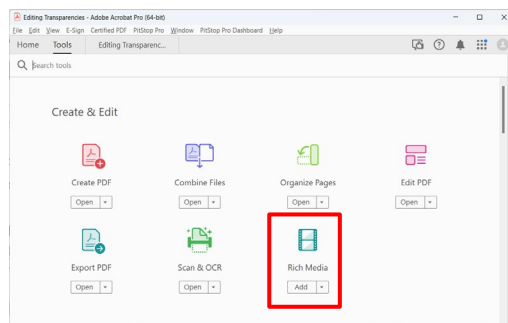


EMBEDDING VIDEOS AND ANIMATIONS



▪ https://ipac-docs.jacow.org/PaperEditing/Slides/5_Videos_and_Animations/

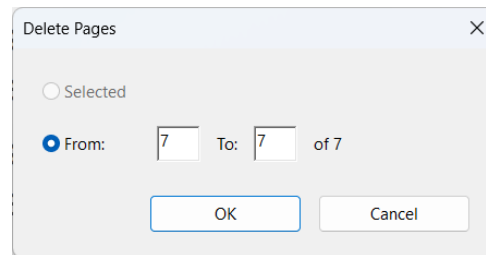
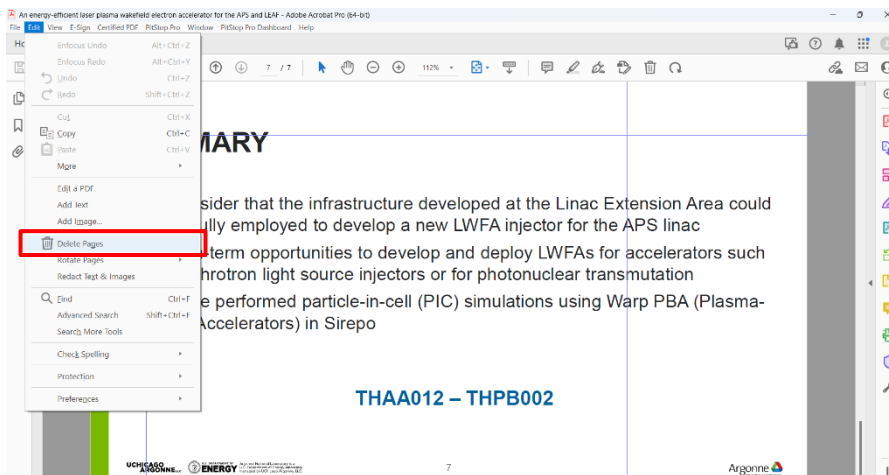
- Complete all other editing steps first
- Export the *.pptx to *.pdf
- Add video, position it within *.pdf page



REMOVE ANY INCLUDED BACKUP SLIDES



- The longer a talk is, the more likely it has backup slides
 - LINAC2024 5-minute talks typically had no backups
- Remove slides in source *.pptx or *.pdf

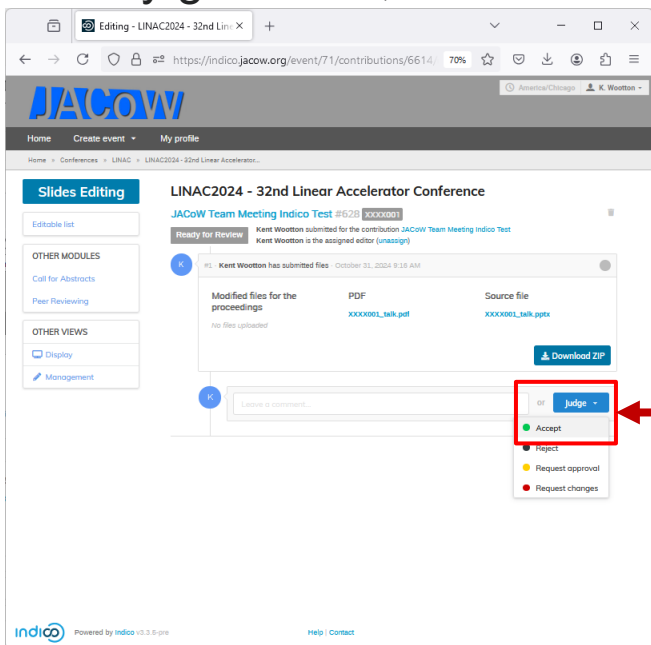


Easy to do in *.pdf or *.pptx

DOT ASSIGNMENT

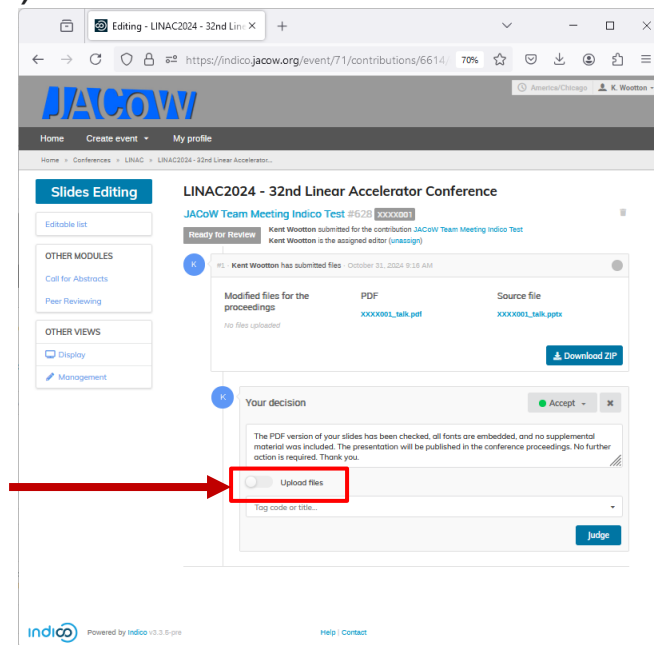


- Use only green dot, red dot or reject (no yellow dot)



If you need to upload edited files:

- Select dot,
- Then toggle upload pane

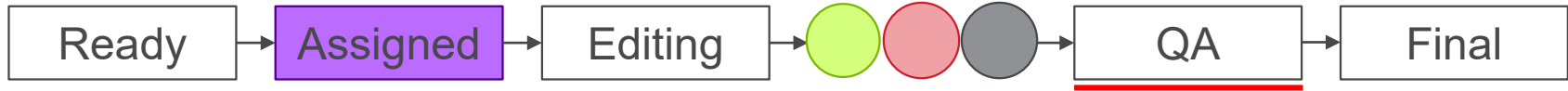


DOT ASSIGNMENT



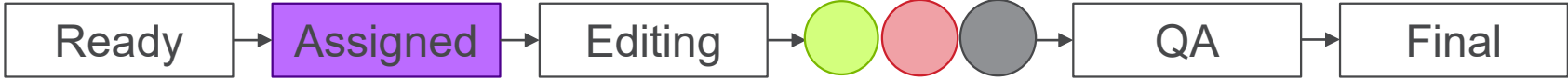
- Use only green dot, red dot or reject (no yellow dot)
- Example comments
 - The PDF version of your slides has been checked, all fonts are embedded, and the blank page at the end was removed. The presentation will be published in the conference proceedings. No further action is required. Thank you.
 - Not all fonts were included in PDF, so a new PDF had to be distilled from the submitted PDF with subsets of all fonts included.
 - JACoW style is to omit backup slides from proceedings, so backup slides were removed.
- Use tags as appropriate (categories better match papers than slides)

QA



- Read editor's green-dot comments.
- Perform spot checks on editing items, checking:
 - Modified file for the proceedings
 - Font embedding (Ctrl-D)
 - Overlapping/misplaced content
 - Embedded videos/animations
 - No backup slides remain
- Complete QA step in Indico
- Complete QA step in JICT (processing stats)

QA



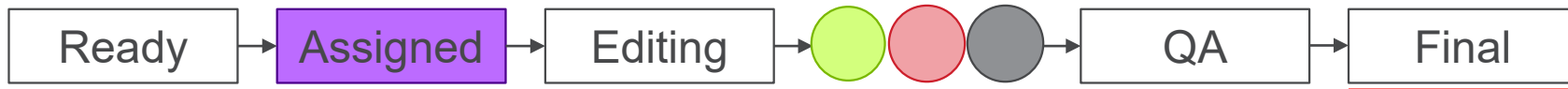
- Complete QA step in Indico

- Complete QA step in JICT (2 clicks) (processing stats)

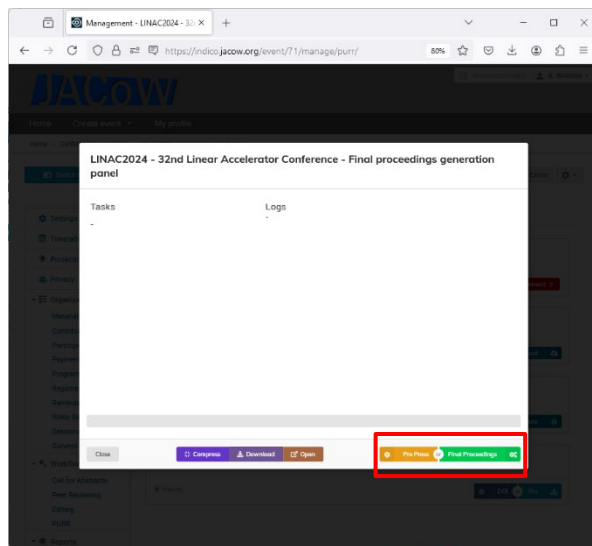
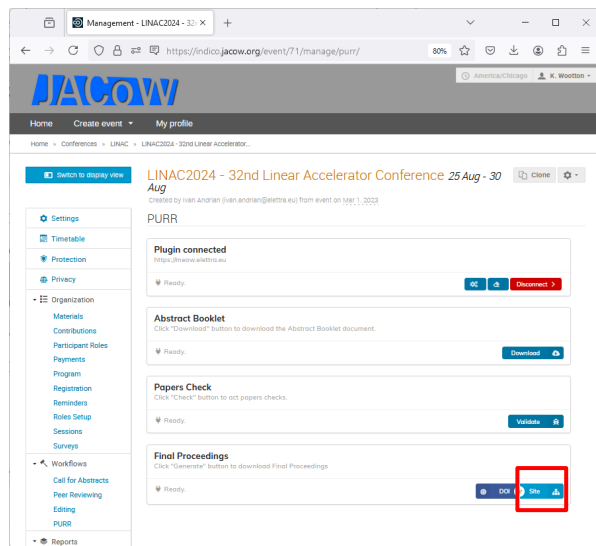
Indico interface showing the QA step in progress. The status is 'QA02: QA Pending'. The 'Approve QA' button is highlighted with a red box.

Order	Time	Code	Room	Type	Title	Presenter	Publish	Status
01	08:30	WEXA001	GrandBallroom	Invited oral	Status of the IBNCT accelerator	Masaharu Sato - High Energy Accelerator Research Organization	ALLOWED	QA Approved
02	08:50	WEXA002	GrandBallroom	Invited oral	Advances in fs synchronization	Marie Kristin Czwalinna - Deutsches Elektronen-Synchrotron	ALLOWED	QA Approved
03	09:10	WEXA003	GrandBallroom	Invited oral	Sub-femtosecond time-resolved measurements of electron and photon beams	Eduard Prat - Paul Scherrer Institut	ALLOWED	QA Approved
04	09:30	WEXA004	GrandBallroom	Invited oral	Full automatic clean assembly of HWR cavity	Hao Guo - Institute of Modern Physics, Chinese Academy of Sciences	ALLOWED	QA Approved
05	09:50	WEXA005	GrandBallroom	Invited oral	Adaptive machine learning with hard physics constraints and generative diffusion for 6D phase space diagnostics	Alexander Scheinker - Los Alamos National Laboratory	ALLOWED	Rejected
06	10:10	WEXA006	GrandBallroom	Invited oral	Crabbing cavity system development for international Linear Collider	Subashini De Silva - Old Dominion University	ALLOWED	QA Approved
07	11:00	WEYA001	GrandBallroom	Invited oral	Distributed coupling linacs: a paradigm shift in linear accelerator design	Sami Tantawi - SLAC National Accelerator Laboratory	ALLOWED	QA Approved

COMPILING THE PROCEEDINGS



- You've done it!
- Generate Pre-Press Proceedings with PURR



PrePress (papers only)
'Final' (papers and slides)

You can press 'Final' button multiple times. Editing our first proceedings, we were scared.

COMPILING THE PROCEEDINGS



- You've done it!
- Generate Pre-Press Proceedings with PURR
- 'Final Proceedings' shown at right (slides and paper)

You can press 'Final' button multiple times. Editing our first proceedings, we were scared it was 'final'.

Management - LINAC2024 - 321 x Wootton Kent

https://meow.elettra.eu/71/author/kent-wootton-argonne-national-laboratory/

LINAC2024 - CHICAGO, IL, USA

Home — Session — Classification — Author Index — Institutes — DOI of Institutes — Keynotes

Technology Facilities Council

Willis Walter (Oak Ridge National Laboratory)

Wilson Matthew (Science & Technology Facilities Council)

Wisniewski Eric (Illinois Institute of Technology)

Wixson Adam (Fermi National Accelerator Laboratory)

Wong Chun Yan Jonathan (Institute of Modern Physics, Chinese Academy of Sciences)

Wootton Kent (Argonne National Laboratory)

Wroe Laurence (European Organization for Nuclear Research)

Wu Genfa (Fermi National Accelerator Laboratory)

Wu Yuting (Facility for Rare Isotope Beams, Michigan State University)

Wuensch Walter (European Organization for Nuclear Research)

Wyderski B. (Euclid Beamlabs LLC)

X

Xiang Pingan (Advanced Energy Science and Technology Guangdong Laboratory)

THAA012 A laser plasma wakefield electron accelerator for the Advanced Photon Source and Low-Energy Accelerator Facility

Recent developments in laser wakefield accelerators (LWFAs) lead us to consider employing technology to accelerate electrons at the Advanced Photon Source (APS) facility. Previous experiments using LWFAs were performed at Argonne using the Terawatt Ultrafast High Field Facility. The injector complex serving the APS begins with an electron linac, producing beam energies on the order of 450 MeV. We consider that the infrastructure developed at the Line Extension Area (LEA) could be usefully employed to develop a new LWFA injector for the APS linac. In the present work, we outline the proposed parameters of a LWFA using approxima 100-TW-peak laser pulse focussed into a few-mm in extent pulsed gas jet. We are targeting electron beam energies in the range 300–500 MeV. Initially, we would use the LEA quads, diagnostics and electron spectrometer to demonstrate performance and characterize the LW beam, before moving the LWFA to inject into the Particle Accumulator Ring (PAR).

- **K. Wootton**, A. Lumpkin, C. Kozlowski, F. Westferro, J. Dooling, J. Calvey, M. Edelen, S. Chemerisov, V. Sajaev, V. Guarino, W. Berg
Argonne National Laboratory
- E. Aneke
Northwestern University

Slides: [THAA012](#)
Paper: [THAA012](#)

DOI: reference for this paper: [10.18429/JACoW-LINAC2024-THAA012](https://doi.org/10.18429/JACoW-LINAC2024-THAA012)

About: Received: 25 Aug 2024 — Revised: 28 Aug 2024 — Accepted: 28 Aug 2024 — Issue of 23 Oct 2024

SUMMARY

- Slides editing went pretty smoothly for LINAC2024
- Most common step of editing slides was embedding fonts
- Common step of removing backup slides
 - Occurs most often for long (invited) presentations

- Personally, I question the value of including animations and videos in the published proceedings
 - Process is quite technical
 - Unclear to me that the proceedings are significantly improved