



# Generic PostScript Printer for JACoW (PCs)

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on behalf of JACoW

# Agenda

- Why a PS Printer for JACoW?
- Retrospect (Conclusions 2009)
- Present Situation (2010)
- The Driver
  - Install
  - Verify Setup
  - Uninstall
- Conclusions
- References

# Why a PS Printer for JACoW?

- Installing and reconfiguring the existing Adobe Generic PS Printer is cumbersome
  - PPD file needs to be pre-installed or an un- and reinstallation of the driver is required
  - After installation printer options need to be changed (font embedding, paper size, PostScript level etc.)
- Adobe supplies no generic PostScript printer available for Vista and Windows 7 (support for NT/2k/XP/Vista/7 is desired)

# Retrospect (Conclusions 2009)

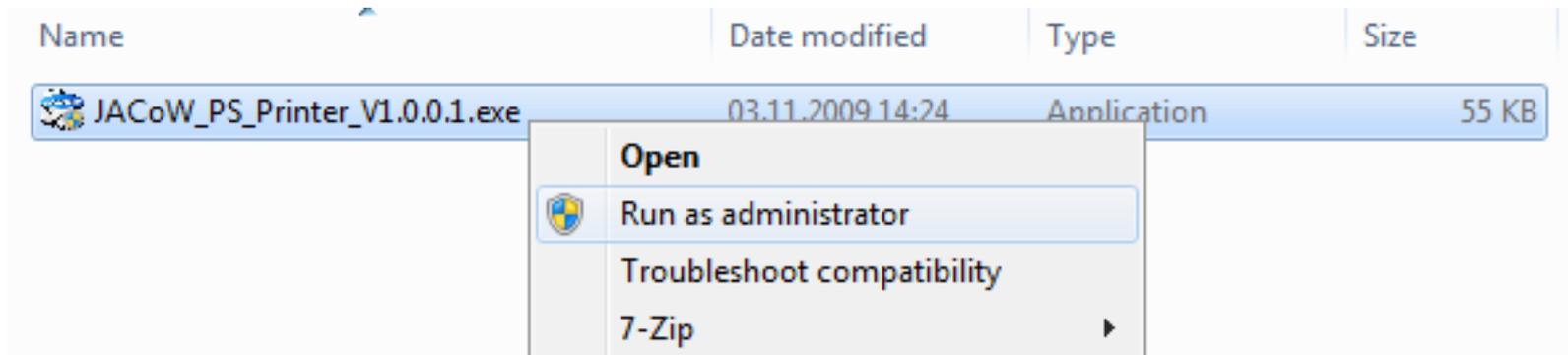
- Done
  - Proof of concept (maybe fits already for internal use)
- ToDo
  - Configuration options seem to be platform specific (exported using Vista can not be imported on XP)
  - Testing was only done on Vista and XP
  - If we would modify the ADIST5.PPD to fit our needs better, we might run into copyright problems
  - Installing through batch files is ugly (an installer program would be a lot nicer)

# Present Situation (2010)

- Done
  - Created an installer for easy setup
  - Testing was done on Win7/Vista/XP
  - Configuration options now independent of Windows version
  - Creates preconfigured PS printers for Letter & A4
- ToDo
  - If we would modify the ADIST5.PPD to fit better to our needs we might run into copyright problems (license restrictions - redistribute: yes, modify: no)

# The Driver - Install (1)

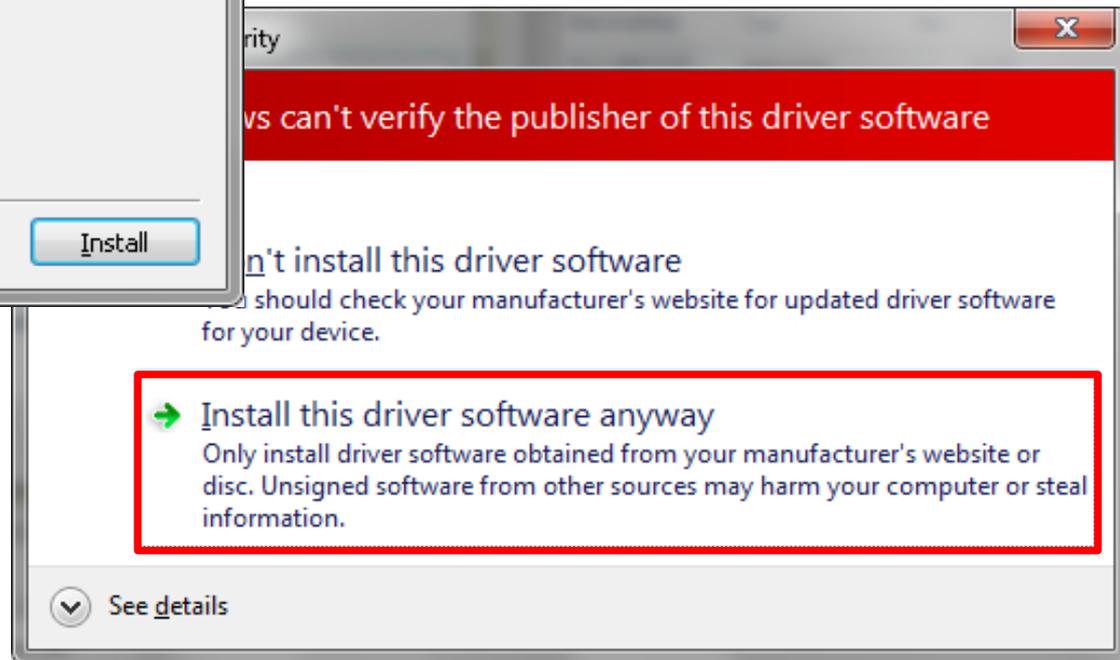
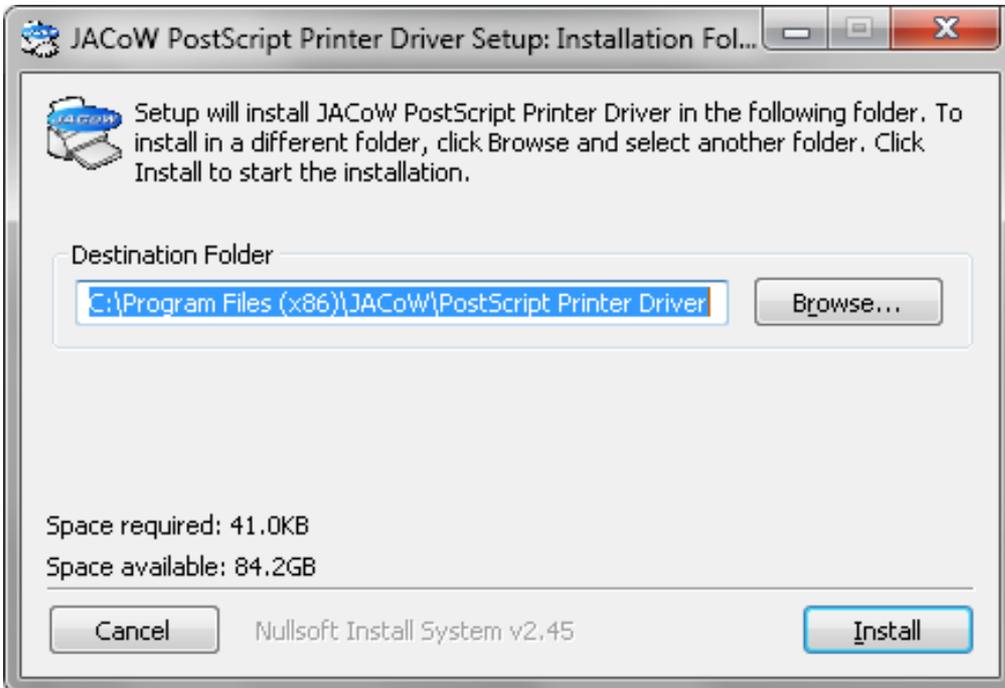
- Download is available at <http://www.elettra.trieste.it/SPMS/index.php?n=Acts.JACoWPostScriptPrinterSetup>
- After download execute the installer through right-clicking it and choosing „Run as administrator...”



# The Driver - Install (2)



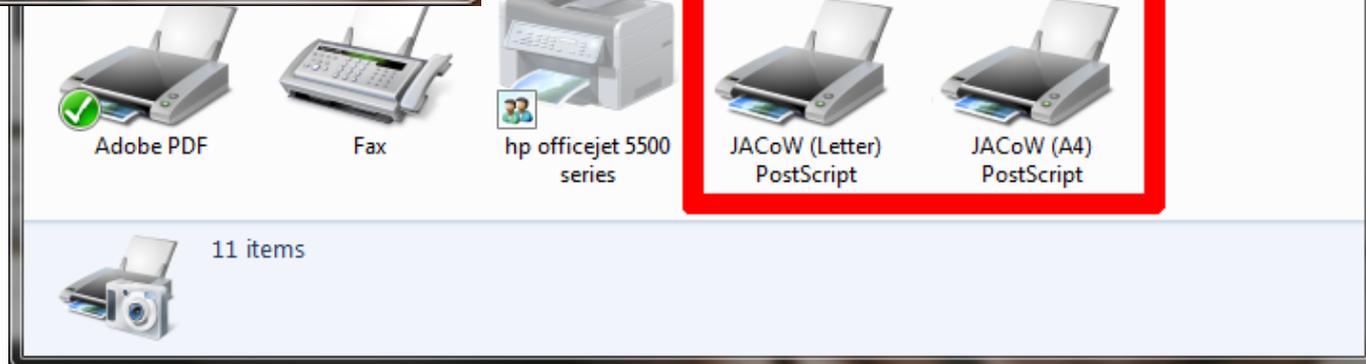
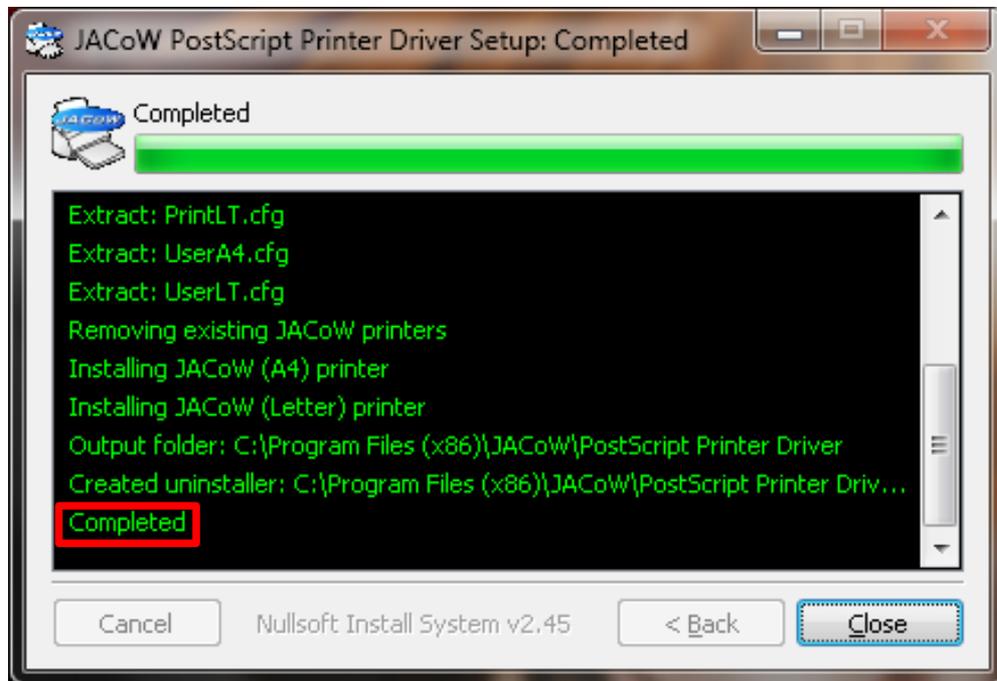
Change the destination only if there is a good reason to do so. Else leave it like it is.



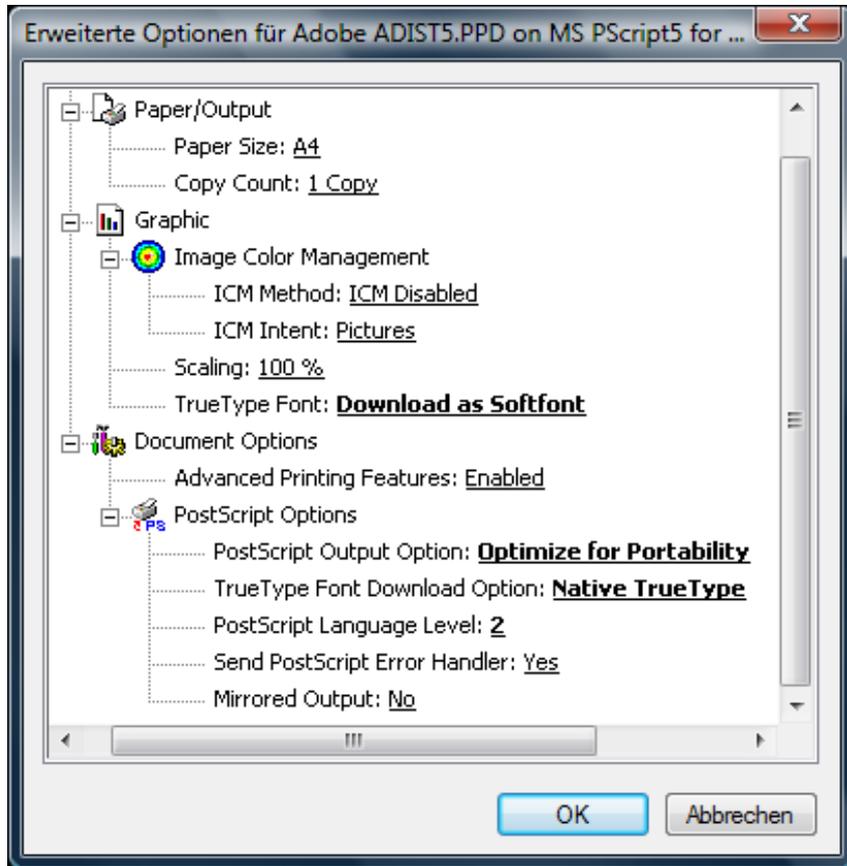
If Windows complains, that the driver is not verified, install anyway

# The Driver - Install (3)

If setup completed successfully you should have two new printers available (on Win7 they show up as one icon).



# The Driver - Verify Setup



- Check the printer options that the bold options are set to
  - TrueType Font: Download as Softfont
  - PostScript Output Option: Optimize for Portability
  - TrueType Font Download Option: TrueType
  - PostScript Language Level: 2

# The Driver – Uninstall

Control Panel > Programs > Programs and Features

Uninstall or change a program

To uninstall a program, select it from the list and then click Uninstall, Change, or Repair.

Organize **Uninstall**

Name	Publisher	Installed On	Size	Version
JACoW PostScript Printer Driver	Joint Accelerator Conference W...	09.11.2010		1.0.0.1
Java(TM) 6 Update 21 (64-bit)	Oracle	16.10.2010	90,4 MB	6.0.210
Java(TM) 6 Update 21 (64-bit)	Oracle	16.10.2010	97,2 MB	6.0.220
Java(TM) 6 Update 21 (64-bit)	Oracle	16.10.2010	144 MB	1.6.0.210
Microsoft Windows Common-...	Microsoft	16.10.2010	38,8 MB	4.0.30319
Microsoft Windows Common-...	Microsoft	16.10.2010	2,93 MB	4.0.30319

JACoW PostScript Printer Driver Uninstall: Completed

Completed

- Delete file: C:\Program Files (x86)\JACoW\PostScript Printer Driver\PrintA...
- Delete file: C:\Program Files (x86)\JACoW\PostScript Printer Driver\Global...
- Delete file: C:\Program Files (x86)\JACoW\PostScript Printer Driver\Global...
- Delete file: C:\Program Files (x86)\JACoW\PostScript Printer Driver\JACo...
- Delete file: C:\Program Files (x86)\JACoW\PostScript Printer Driver\ADIST...
- Removing JACoW printers
- Delete file: C:\Program Files (x86)\JACoW\PostScript Printer Driver\JACo...
- Remove folder: C:\Program Files (x86)\JACoW\PostScript Printer Driver\
- Completed**

Support link: <http://www.jacow.org/>

# Conclusions

- Successfull used at IPAC '10 & FEL '10 (only ?)
- Unified driver for XP/Vista/Win7 (and others)
- Easy one-file setup
  - Success to ease setup for editors
- ToDo
  - Printing problems with some pictures (samples needed!)
  - Find development space (SVN/GIT etc.)
  - Check for execution with administrator rights
  - Issue of modifying the ADIST5.PPD



Questions?

# References

- **JACoW PostScript Printer Driver**  
<http://www.elettra.trieste.it/SPMS/index.php?n=Acts.JACoWPostScriptPrinterSetup>
- **Microsoft PostScript Printer Driver**  
<http://msdn.microsoft.com/enus/library/aa506075.aspx>
- **Windows Driver Kit Version 7.0.0**  
<http://www.microsoft.com/downloads/details.aspx?displaylang=en&FamilyID=2105564e-1a9a-4bf4-8d74-ec5b52da3d00>
- **Adobe Universal PostScript Windows Driver**  
<http://www.adobe.com/support/downloads/detail.jsp?ftpID=1500>