

Printing at PRINT & plot, SCC South

For details, see www.scc.kit.edu/printundplot, especially the [FAQ](#). In this flyer, “[abc](#)” refers to further information accessible through the website’s navigation panel!

Available Printers

“CS-A3/A4-Schwarz/Weiß-Zentraldrucker“

Black & white simplex/duplex production laser printers (600 dpi, grey shading using dithering).
Grammage: only proprietary paper, 80 g/m².

“CS-A3/A4-Farbe-Zentraldrucker“

Full color simplex/duplex production laser printers (600 dpi). Grammage: only proprietary paper, 100 g/m² bright white.

“CS-Vorschau-A3/A4-....-Zentraldrucker“

By selecting the appropriate “**Vorschau-**“ (preview) printer, the print image may be checked online at [Druckvorschau](#) (print preview) prior to confirming printout.

“A-/B-/C-/...-Pool-Printer“

All SCC PC pools dispose of an additional 600 dpi A4-B&W-duplex laser printer that prints on recycling paper and is limited to 50 pages per job. They are accessible only via pool PCs.

“CS-Großformat Normal“- & “Fotopapier Farbplotter“ (Large format printers (“lf-printer”))

300 dpi large format printers with 890 mm max. print width. Grammages: coated plain paper (130 g/m², “Normalpapier”) or semi-gloss photo paper (190 g/m², “Fotopapier”). Students may print only on lf-printers at Campus South.

PDFs for lf-printers may contain only 1 page and may be submitted only via [COPS](#) (s. below).

For printer access from outside the KIT net, a VPN tunnel must be established first: vpn.kit.edu

Directprint from PC / Notebook

Connecting the central printers of **PRINT & plot** as network printers to your PC/Notebook/Mac:


Directprint on Windows XP/Vista/7/8

- In “Start“ > “Run“ enter according to a:
 - **Student:** \\scc-print-stud.scc.kit.edu
 - **KIT employee:** \\scc-print-mab.scc.kit.edu
- Enter username & password: KIT\<account> (e.g. student: KIT\uabcd, employee: KIT\ab1234)
- In new window choose printer by double clicking or right mouse button ⇒ “Connect“:
 - CS-A3_A4_Farb_Zentraldrucker
 - CS-A3_A4_S_W_Zentraldrucker
 - CS-Vorschau_A3_A4_Farb_Zentraldrucker
 - CS-Vorschau_A3_A4_S_W_Zentraldrucker
- Close window. The new printer appears in the printer selection list.

When login off / restarting the PC, the VPN-connection will be lost. To regain printer access, you will have to login using VPN to connect to the printer. Enter (as to “*****“, see above):

```
\\scc-print-****.scc.kit.edu\connect
```

Directprint on Mac (OS X Leopard, Mountain L.)

- Download *PPD* for desired printer: [Treiber / Werkzeuge](#) (drivers / tools) [PostScript-Treiber & PPDs...](#)
 - 32Bit: b&w = sccbw_1.3.ppd, color = scccolor_1.3.ppd
 - 64Bit: ... = sccbw_1.3_x64.ppd, ... = scccolor_1.3_x64.ppd
- ““ > “System Preferences“ > “Printers & Scanners“ > “+“
- UCC adjust toolbar of recently opened “Add“-dialog: Right click on toolbar ⇒ “Customize Toolbar...“ ⇒

Drag & drop “Advanced“-button onto toolbar in “Add“-dialog ⇒ “Done“.

- Open “Advanced“ in toolbar and complete...
 - Typ: “**Windows printer via spoolss**“
 - Device: “**Another Device**“
 - URL: Enter one of the URLs below (run twice for B&W & color printer). KIT employees must use “scc-print-mab“ instead of “...-stud“:
 - smb://scc-print-stud.scc.kit.edu/A3_A4_S_W_Zentraldrucker
 - smb://scc-print-stud.scc.kit.edu/A3_A4_Farb_Zentraldrucker
 - Name: arbitrary (your private printer’s name)
 - Location: arbitrary
 - Use: “**Other**“ ⇒ *browse to ppd download location* ⇒ *select your PPD file* ⇒ “**Open**“ ⇒ *choose printer* ⇒ “**Add**“
- UCC in Mountain Lion: activate „CUPS“
 - In **Terminal.app** enter command:

```
cupscctl WebInterface=yes
```
- You are prompted for username & password with your first print order.

COPS – Campus Online Printing Service

With [COPS](#) (www.scc.kit.edu/cops), PDF- & PS files can be uploaded through a web interface to the central print devices (lf-printers: PDF only, see also *Flyer* “4.3 Printing with COPS”).

Note: Using COPS,

- all page layouts like “N-up“, “Booklet“ etc. must be readily embedded in the PDF/PS file.
- file size is restricted to 300 MB.

Note: Large format printer (“Plotter”)...

- support only PDF format!
- PDF is limited to 1 page/file (1 poster) only!
- see also *Flyer* “4.4 Large Format Printer“

Status / Waiting queue

Progress of print jobs (print workflow) is displayed at [↗ Status / Warteschlange](#) (waiting queue)

(www.scc.kit.edu/druckerwarteschlange)

Status "fertig" (done) only states successful RIP & job transfer to printer. Hand-out still depends on printer queue, print duration, sorting and takes i. g. 20 min.!

Printed jobs are stored at **PRINT & plot** (SCCBldg. CS, BF, R-151) for min. 2, max. 3 weeks, then being dumped (deadline: Friday eve). We recommend early pickup!


Print account & prices

Your print account is visible online and must be upgraded from the KIT-Card via terminals at the SCC-Foyer. Lack of credit will address an E-Mail to your [KIT user account](#). Your print account will be checked every ¼ h. and waiting jobs be executed automatically if applicable. Resending a job will result in [another copy!](#) After 7 days, jobs will be deleted. See [↗ FAQ](#) [↗ Druckkonto](#) (print account), and [↗ FAQ](#) [↗ Materialpreise](#) (price list)

General hints & tips

- **New session:** Check printer options first!
- **Wrong page formats** will not be adjusted, jobs are printed as they are or discarded (PowerPoint sheets, engl./US paper formats)!
- Unprintable PDF/PS: Create new PDF/PS with **PDFCreator/GSview** or a similar tool. Else (less quality), convert file to a rasterized image file

and send this file to the printer: "File" > "Print" > "Preferences" > "Advanced" > "Print as Picture"

- **Preview Printing** ("Vorschau") is reasonable with:
 - Large documents/multiple copies
 - Fonts: Preferably, always use „download as Softfont“ in: "Printing" > "Printing Preferences" > "Advanced" > "TrueType Font."
 - "N-up": Create PDF with desired layout and send this PDF to printer
 - Booklet: (see "N-up")
 - Muplex (rotating sheet over top edge)
- **Test printout**, checking "printer color response":
 - PNG-templates (fault: KIT-Logo = bright green)
 - On LCD displays seemingly clean (white) edges of graphical elements (text and alike, not photos) in JPEG/JPGs show dirty clouds on printouts
 - 1-bit b/w objects: Convert to 8-bit greyscale
- **Embedded images/graphics:** Max. 600 dpi
- **NOTE:** More tips & hints (): [↗ FAQ](#)

Contact

Karlsruhe Institute of Technology (KIT)
Steinbuch Centre for Computing (SCC)

Print & Plot – South
Zirkel 2, 76131 Karlsruhe

Tel.: 0721 608-43344
E-Mail: printundplot-cs@scc.kit.edu
www.scc.kit.edu/printundplot

Publisher

Karlsruhe Institute of Technology (KIT)
Kaiserstraße 12
76131 Karlsruhe, Germany
Editorial staff: Print & Plot, September 2016
www.kit.edu

Karlsruhe © KIT 2016

04.1 Printing at SCC from Pools & Notebook



Steinbuch Centre for Computing