

## Printing at PRINT & plot, SCC South

For details, see [www.scc.kit.edu/printundplot](http://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 (600dpi, grey shading using dithering). Grammage: only P&P provided paper, 80 g/m<sup>2</sup>

#### “CS-A3/A4-Farbe-Zentraldrucker“

Full color simplex/duplex production laser printers (600 dpi). Grammage: only P&P provided paper, 100 g/m<sup>2</sup> bright white.

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

**currently ooo!** By selecting a “**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 a 600 dpi A4-B&W-duplex laser printer (only recycling paper) which is limited to 50 pages per job. These printers are accessible only via pool PCs.

#### “CS-Großformat Normal-“ & “Fotopapierdrucker“ (Large format printers, “lfp”)

300 dpi printers, max. print width 890 mm. Grammages: coated plain (130 g/m<sup>2</sup>, “Normal-papier”), semi-gloss photo (190 g/m<sup>2</sup>, “Fotopapier”). **Students:** printing **restricted** to Campus South. See also [flyer](#) “4.4 Large Format Printer”

**Printer access from outside the KIT net:  
Exclusively via VPN tunnel!** [↗ vpn.kit.edu](http://vpn.kit.edu)

## Directprint from own PC / Notebook

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

### Directprint on Windows XP/Vista/7/8


1. In “Start” ▶ “Run“ enter:
  - `\\scc-print-srv2.scc.kit.edu`
2. Enter username & password: `KIT<account>` (e.g. student: `KIT\uabcd`, employee: `KIT\ab1234`)
3. In new window choose printer by double clicking or right mouse button ⇒ “Connect”:
  - CS-A3\_A4\_SW-Zentraldrucker
  - CS-A3\_A4\_Farb-Zentraldrucker
  - ~~CS-Vorschau\_A3\_A4\_SW-Zentraldrucker~~
  - ~~CS-Vorschau\_A3\_A4\_Farb-Zentraldrucker~~
- Close window. The new printer appears in the printer selection list.

When login off / restarting the PC, the VPN-tunnel will be lost. To regain printer access, you will have to reestablish a VPN-tunnel. Then enter the following command in “Run“:

```
\\scc-print-srv2.scc.kit.edu
```

*TIP: Drop command shortcut on/in Desktop/Startup directory*

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

1. Download *PPD* for desired printer: [↗ Treiber & Werkzeuge](#) (drivers & tools) [↗ PPD \(PostScript Printer Description\)](#) - *Direktdruck unter macOS*
2. “” ▶ “System Preferences“ ▶ “Printers & Scanners“ ▶ “+“
  - 2.1. UCC adjust toolbar of recently opened “Add“-dialog: Right click on toolbar ⇒ “Customize Toolbar...“ ⇒ Drag & drop “Advanced“-button onto toolbar in “Add“-dialog ⇒ “Done“.

3. Open “Advanced“ in toolbar and complete...
  - 3.1. Typ: “**Windows printer via spoolss**“
  - 3.2. Device: “**Another Device**“
  - 3.3. URL: Enter one of both URLs below (run twice for B&W & color printer):
    - `smb://scc-print-srv2.scc.kit.edu/CS-A3_A4_SW-Zentraldrucker`
    - `smb://scc-print-srv2.scc.kit.edu/CS-A3_A4_Farb-Zentraldrucker`
  - 3.4. Name: arbitrary (your private printer’s name)
  - 3.5. Location: arbitrary
  - 3.6. Use: “Other“ ⇒ *browse to ppd download location* ⇒ *select your PPD file* ⇒ “**Open**“ ⇒ *choose printer* ⇒ “**Add**“
4. 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.

## webPRINT (ex COPS)

With [↗ webPRINT \(scc.kit.edu/webprint\)](#), PDF- & PS files can be uploaded through a web interface to the central print devices (If-printers: [PDF only](#), see also [flyer](#) “4.3 Printing via webPRINT”).

**Note:** Using webPRINT,

- 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 printers...

- 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 ☞ *Auftragsstatus* ▶ “your printer” (waiting queue)

([www.scc.kit.edu/druckerwarteschlange](http://www.scc.kit.edu/druckerwarteschlange))

Status “fertig” (done) only states successful RIP & job “transfer2” to printer. Hand-out still depends on printer queue, print duration, sorting & takes i. g. 20+ mins.!

Printed jobs are stored at **PRINT & plot** (SCCBldg. CS, BF, R-109) 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: For PDFs, always use „download as **Softfont**“ in: “Printing” > “Printing Preferences” > “Advanced” > “TrueType Font.”
  - “N-up”, booklet: Create PDF with desired layout and send this PDF to printer
  - 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

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## 04.1 Printing at SCC from Pools & Notebook



Steinbuch Centre for Computing