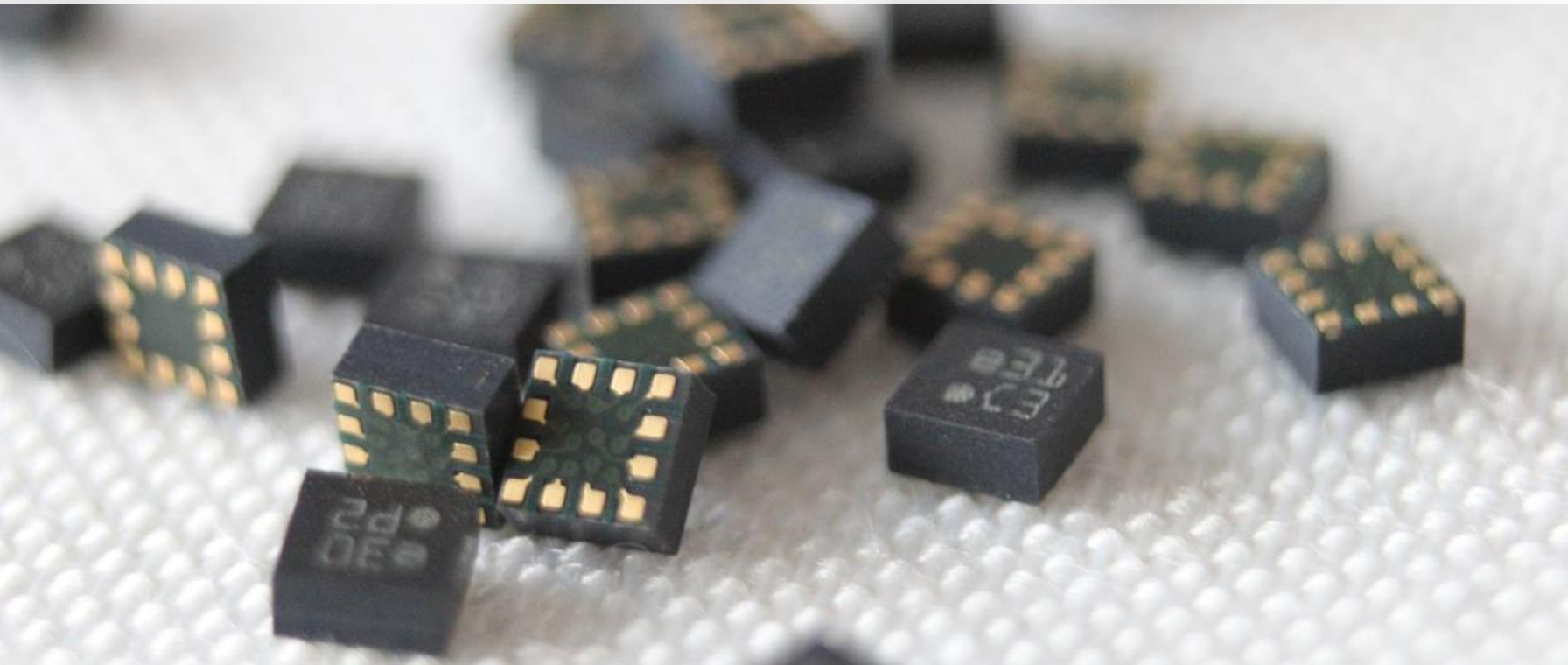


# BASH-Versteher haben mehr Spass mit Linux

Harald König – UnFUCK 2016, Furtwangen



Bosch Sensortec

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**BOSCH**

## Agenda

- me and BST
- Welcher Kalender gilt?
- CSV-Dateien in BASH arrays einlesen
- Speicherkarten-Rettung mit der BASH
- Umarbeiten von ICAL Files für giggity App
- Andere Ideen ?



## Me

- Erste „OpenSource“ in der Schule (1980, CBM-3032)
- (sup)porting TeX ab 1986 an der Universität Tübingen
- VMS (1985) und UN\*X (1987) an der Uni
- Nie wieder INTEL x86 (1989/90)
- Linux 0.98.4 (1992), doch wieder INTEL;-)
- XFree86 (S3, 1993-2001)
- science + computing ag in Tübingen seit 2001
- Bosch Sensortec GmbH in Reutlingen seit 2014
- ...



## Bosch – the MEMS supplier

Out of one hand MEMS sensors, actuators and solutions

### Bosch Sensortec



- Accelerometers
- Geomagnetic sensors
- Gyroscopes
- Pressure sensors
- Humidity sensors
- Combo sensors
- ASSNs

### Akustica



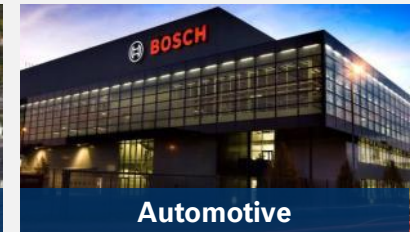
- MEMS microphones

### Bosch Connected Devices & Solutions



- Smart sensor/ actuator nodes
- Embedded SW & Algorithms
- Customized IoT sensor & actuator solutions

### Automotive Electronics



- Accelerometers
- Angular rate sensors
- Pressure sensors
- Mass flow sensors

## Man Pages

→ man bash

→ man grep

→ man sort uniq

→ man cut sed tr

→ man awk

→ man join paste

## Haralds Lieblings-Tools

```
$ cat *.sh | tr -c 'a-z' '\n' | grep . | sort | uniq -c |  
  sort -nr | while read n cmd ; do [ -r  
  /usr/share/man/man1/$cmd.1.gz ] && echo $n $cmd ; done
```

87	echo	14	egrep	5	assistant	3	false
76	print	11	write	4	tty	3	diff
45	cat	11	tee	4	script	2	uncompress
40	sed	10	file	4	pdftotext	2	timeout
34	printf	8	size	4	pdftk	2	test
31	tr	6	pr	4	cmp	2	rm
25	cut	6	mv	4	arch	2	printenv
21	grep	6	git	3	uniq	2	head
18	ls	5	ssconvert	3	true	2	gcc
17	awk	5	sort	3	sleep	1	time
14	top	5	display	3	seq	1	tail

## Erste Schritte

s.o.

→ Alles weitere nun live im xterm...