

# NEW RELEASES IN JANUARY 2021

## Short overview

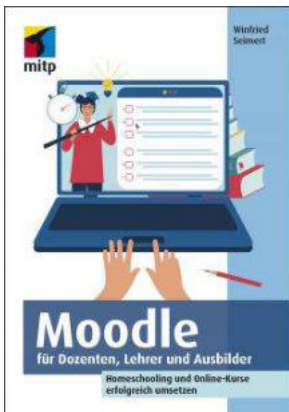


### **PROGRAMMING ANDROID APPS**

PROFESSIONAL APP  
DEVELOPMENT WITH  
ANDROID STUDIO 4

### **MICROSOFT WORD FOR HOME OFFICE AND MOBILE USE**

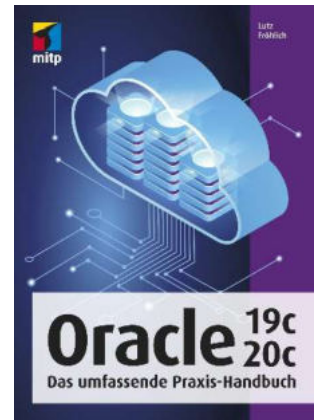
MODERN OFFICE LIFE AND  
EFFECTIVE ONLINE  
COLLABORATION



### **MOODLE FOR LECTURERS, TEACHERS AND TRAINERS**

SUCCESSFULLY IMPLEMENT  
HOMESCHOOLING AND  
ONLINE COURSES

### **ORACLE 19c/20c** THE COMPREHENSIVE HANDS-ON MANUAL



## PROGRAMMING ANDROID APPS

PROFESSIONAL APP DEVELOPMENT WITH ANDROID STUDIO 4



- PRACTICAL INTRODUCTION FROM THE BASICS OF APP PROGRAMMING TO ADVANCED TECHNIQUES
- COMPLETE SAMPLE PROJECT WITH NUMEROUS STEP-BY-STEP INSTRUCTIONS AND PRACTICAL TIPS
- ALL COMPONENTS OF PROFESSIONAL APPS: FROM A SIMPLE ACTIVITY TO LAYOUTS WITH XML AND DATABASES TO ANDROID BINDING AND AUTOMATED TESTS

400 pages, € 29,99 (D)  
Paperback, 17 x 24 cm  
ISBN: 978-3-7475-0216-7

**Eugen Richter** has many years of training experience, as a lecturer at the Munich Adult Education Center and as a trainer in business. His thematic focus is on native app development for Android, cross-platform development with Xamarin, cloud development with .Net Core and the use of DevOps.

## MICROSOFT WORD FOR HOME OFFICE AND MOBILE USE

MODERN OFFICE LIFE AND EFFECTIVE ONLINE COLLABORATION



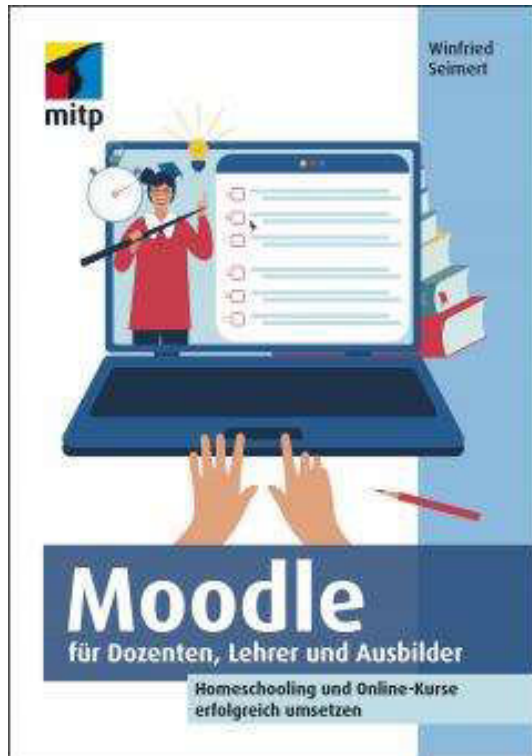
- ALL IMPORTANT FUNCTIONS FOR ONLINE COLLABORATION AND THE USE OF THE MICROSOFT CLOUD ONEDRIVE WITH WORD
- MORE FLEXIBILITY WITH THE WORD MOBILE APP AND WORD IN THE BROWSER
- NUMEROUS STEP-BY-STEP INSTRUCTIONS AND PRACTICAL TIPS FOR TYPICAL USE CASES SUCH AS FORM LETTERS, DOCUMENT TEMPLATES, TEXT MODULES AND MORE

368 pages, € 24,99 (D)  
Paperback, 17 x 24 cm  
ISBN: 978-3-7475-0313-3

**G.O. Tuhls** has been intensively involved with word processes since the rise of the first "text machines". His teaching materials as a communications trainer as well as his publications are produced with Microsoft Word and he therefore knows the capabilities and weaknesses of the program very well from his own experience.

## **MOODLE FOR LECTURERS, TEACHERS AND TRAINERS**

SUCCESSFULLY IMPLEMENT HOMESCHOOLING AND ONLINE COURSES



- DELIVERING CONTENT WITH THE POPULAR ONLINE PLATFORM AND MAKING THE MOST OF THE MANY DIDACTIC OPTIONS AVAILABLE

- DEALING WITH ASSIGNMENTS, TESTS, COMMUNICATION AND FEEDBACK USING A CONSISTENT EXAMPLE

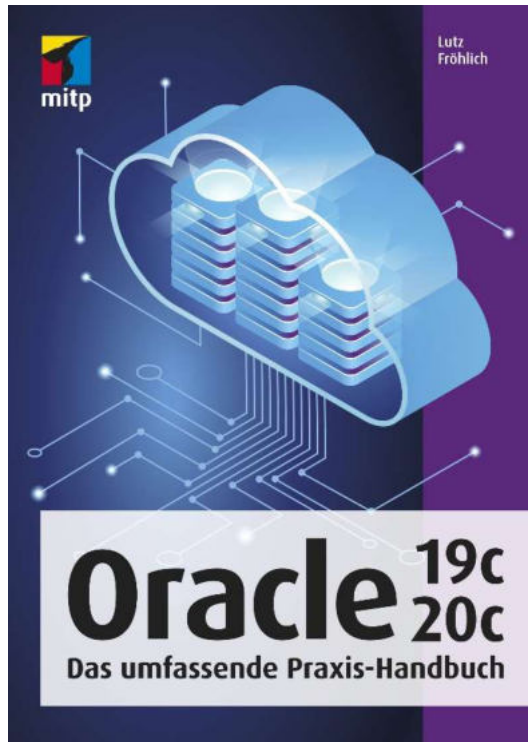
- INCLUDES MANY SUGGESTIONS FOR INTERACTIVE DISTANCE LEARNING AND FOR INTEGRATING THE BIGBLUEBUTTON VIDEO TOOL

320 pages, € 22,00 (D)  
Paperback, 14,8 x 21 cm  
ISBN: 978-3-7475-0269-3

**Winfried Seimert** is an IT lecturer and author of numerous technical books, especially on software and operating systems. He always has the comfort of the user in mind. His books have been very popular since the mid-nineties due to their well thought-out structure.

## **ORACLE 19C/20C**

### THE COMPREHENSIVE HANDS-ON MANUAL



- FROM PLANNING AND INSTALLING, ARCHITECTURE, INFRASTRUCTURE AND ADMINISTRATION TO MIGRATION TO THE CLOUD AND THE USE OF THE AUTONOMOUS DATABASE

- WITH MANY EXAMPLES, CONFIGURATION INSTRUCTIONS AND VALUABLE TIPS FOR PRACTICAL USE

- CURRENT TOPICS SUCH AS IN-MEMORY TECHNOLOGY, DATA SCIENCE AND MACHINE LEARNING

880 pages, € 75,00 (D)  
Paperback, 17 x 24 cm  
ISBN: 978-3-7475-0057-6

**Lutz Fröhlich** is a graduate mathematician and Oracle Certified Master and has been working with Oracle databases since 1993. He regularly holds seminars and lectures on Data Science and Machine Learning. His practical experience is based on consulting activities for more than 35 international companies in the USA and Europe.

# NEW RELEASES IN FEBRUARY 2021

## Short overview

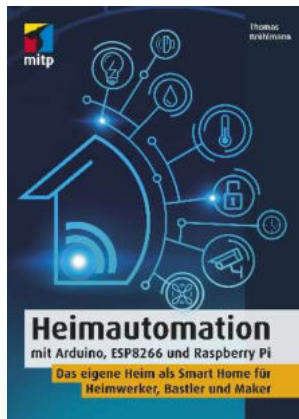


### **STM 32**

PROGRAMMING  
ARM-MICROCONTROLLER  
FOR EMBEDDED SYSTEMS

### **VERSION MANAGEMENT WITH GIT**

PRACTICAL INTRODUCTION



### **HOME AUTOMATION WITH ARDUINO, ESP8266 AND RASPBERRY PI**

YOUR OWN HOME AS A SMART  
HOME FOR DO-IT-YOURSELFERS,  
HOBBYISTS AND MAKERS



# STM32

## PROGRAMMING ARM-MICROCONTROLLER FOR EMBEDDED SYSTEMS THE COMPREHENSIVE PRACTICAL MANUAL



- PROGRAMMING OF THE MOST IMPORTANT PERIPHERAL COMPONENTS
- DIGITAL AND ANALOG I/O PORTS (GPIOs), TIMERS AND COUNTERS, SERIAL INTERFACES (USARTS/UARTS, SPI AND I2C), ADCS AND DACS, DIRECT MEMORY ACCESS (DMA)
- NUMEROUS PRACTICAL APPLICATION EXAMPLES

416 pages, € 29,99 (D)  
Paperback, 17 x 24 cm  
ISBN: 978-3-7475-0191-7

**Ralf Jesse** is a graduate electrical engineer with more than 30 years of professional experience in the use of microprocessors and controllers. After first experiences as a development engineer in a mechanical engineering company, more than 20 years as a software engineer in a large Japanese corporation followed.

Kapitel 12  
Digital-Analog-Konverter

Um Fluss, Buffer (Funktion) kann wahlweise aktiviert oder deaktiviert werden. Die Funktionen sind intern verdrahtet und werden von der Hardware verwaltet, der Zugriff von außen ist nicht vorgesehen!

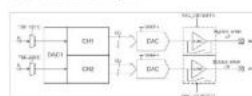


Abb. 12.5: Die Funktion der Funktionen im DAC

### 12.2.2 Datenformate

Die DACs können, wie bereits gesagt, wahlweise mit einer Auflösung von 8 oder 12 Bit verwendet werden. Wie schon erwähnt, wird hierbei die Schattenside der Signalarange offen gelassen. Abhängig von der gewählten Auflösung lassen sich drei Datenformate erreichen:

- 8-Bit-Auflösung: Daten werden immer rechtsbündig in den angegebenen Datenregistern abgelegt.
- 12-Bit-Auflösung: Hier sind zwei Datenverdrängungen möglich:
  - Daten werden linksbündig abgelegt.
  - Daten werden rechtsbündig abgelegt.

8-Bit-Auflösung	12-Bit-Auflösung (linksbündig)	12-Bit-Auflösung (rechtsbündig)
0x00000000	0x00000000	0x00000000
0x00000001	0x00000001	0x00000001
...	...	...
0x0000000F	0x0000000F	0x0000000F
0x00000010	0x00000010	0x00000010
...	...	...
0x0000000F	0x0000000F	0x0000000F

Abb. 12.6: Verdrängung der Daten im Single-Channel-Modus

8-Bit-Auflösung	12-Bit-Auflösung (linksbündig)	12-Bit-Auflösung (rechtsbündig)
0x00000000	0x00000000	0x00000000
0x00000001	0x00000001	0x00000001
...	...	...
0x0000000F	0x0000000F	0x0000000F
0x00000010	0x00000010	0x00000010
...	...	...
0x0000000F	0x0000000F	0x0000000F

Abb. 12.7: Verdrängung der Daten im Dual-Channel-Modus

Abb. 13.2: Die Struktur der DMA-Controller

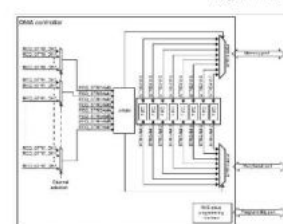


Abb. 13.2: Die Struktur der DMA-Controller

Die Streams und Kanäle der DMA-Controller sind festem Peripheriegeometrie zugeordnet, die in den Abbildungen 13.3 und 13.4 zu erkennen sind.

Peripheral	Stream 0	Stream 1	Stream 2	Stream 3	Stream 4	Stream 5	Stream 6	Stream 7
USART1	0x00000000	0x00000001	0x00000002	0x00000003	0x00000004	0x00000005	0x00000006	0x00000007
USART2	0x00000008	0x00000009	0x0000000A	0x0000000B	0x0000000C	0x0000000D	0x0000000E	0x0000000F
USART3	0x00000010	0x00000011	0x00000012	0x00000013	0x00000014	0x00000015	0x00000016	0x00000017
USART4	0x00000018	0x00000019	0x0000001A	0x0000001B	0x0000001C	0x0000001D	0x0000001E	0x0000001F
USART5	0x00000020	0x00000021	0x00000022	0x00000023	0x00000024	0x00000025	0x00000026	0x00000027
USART6	0x00000028	0x00000029	0x0000002A	0x0000002B	0x0000002C	0x0000002D	0x0000002E	0x0000002F
USART7	0x00000030	0x00000031	0x00000032	0x00000033	0x00000034	0x00000035	0x00000036	0x00000037
USART8	0x00000038	0x00000039	0x0000003A	0x0000003B	0x0000003C	0x0000003D	0x0000003E	0x0000003F
USART9	0x00000040	0x00000041	0x00000042	0x00000043	0x00000044	0x00000045	0x00000046	0x00000047
USART10	0x00000048	0x00000049	0x0000004A	0x0000004B	0x0000004C	0x0000004D	0x0000004E	0x0000004F
USART11	0x00000050	0x00000051	0x00000052	0x00000053	0x00000054	0x00000055	0x00000056	0x00000057
USART12	0x00000058	0x00000059	0x0000005A	0x0000005B	0x0000005C	0x0000005D	0x0000005E	0x0000005F
USART13	0x00000060	0x00000061	0x00000062	0x00000063	0x00000064	0x00000065	0x00000066	0x00000067
USART14	0x00000068	0x00000069	0x0000006A	0x0000006B	0x0000006C	0x0000006D	0x0000006E	0x0000006F
USART15	0x00000070	0x00000071	0x00000072	0x00000073	0x00000074	0x00000075	0x00000076	0x00000077
USART16	0x00000078	0x00000079	0x0000007A	0x0000007B	0x0000007C	0x0000007D	0x0000007E	0x0000007F
USART17	0x00000080	0x00000081	0x00000082	0x00000083	0x00000084	0x00000085	0x00000086	0x00000087
USART18	0x00000088	0x00000089	0x0000008A	0x0000008B	0x0000008C	0x0000008D	0x0000008E	0x0000008F
USART19	0x00000090	0x00000091	0x00000092	0x00000093	0x00000094	0x00000095	0x00000096	0x00000097
USART20	0x00000098	0x00000099	0x0000009A	0x0000009B	0x0000009C	0x0000009D	0x0000009E	0x0000009F
USART21	0x000000A0	0x000000A1	0x000000A2	0x000000A3	0x000000A4	0x000000A5	0x000000A6	0x000000A7
USART22	0x000000A8	0x000000A9	0x000000AA	0x000000AB	0x000000AC	0x000000AD	0x000000AE	0x000000AF
USART23	0x000000B0	0x000000B1	0x000000B2	0x000000B3	0x000000B4	0x000000B5	0x000000B6	0x000000B7
USART24	0x000000B8	0x000000B9	0x000000BA	0x000000BB	0x000000BC	0x000000BD	0x000000BE	0x000000BF
USART25	0x000000C0	0x000000C1	0x000000C2	0x000000C3	0x000000C4	0x000000C5	0x000000C6	0x000000C7
USART26	0x000000C8	0x000000C9	0x000000CA	0x000000CB	0x000000CC	0x000000CD	0x000000CE	0x000000CF
USART27	0x000000D0	0x000000D1	0x000000D2	0x000000D3	0x000000D4	0x000000D5	0x000000D6	0x000000D7
USART28	0x000000D8	0x000000D9	0x000000DA	0x000000DB	0x000000DC	0x000000DD	0x000000DE	0x000000DF
USART29	0x000000E0	0x000000E1	0x000000E2	0x000000E3	0x000000E4	0x000000E5	0x000000E6	0x000000E7
USART30	0x000000E8	0x000000E9	0x000000EA	0x000000EB	0x000000EC	0x000000ED	0x000000EE	0x000000EF
USART31	0x000000F0	0x000000F1	0x000000F2	0x000000F3	0x000000F4	0x000000F5	0x000000F6	0x000000F7
USART32	0x000000F8	0x000000F9	0x000000FA	0x000000FB	0x000000FC	0x000000FD	0x000000FE	0x000000FF
USART33	0x00000100	0x00000101	0x00000102	0x00000103	0x00000104	0x00000105	0x00000106	0x00000107
USART34	0x00000108	0x00000109	0x0000010A	0x0000010B	0x0000010C	0x0000010D	0x0000010E	0x0000010F
USART35	0x00000110	0x00000111	0x00000112	0x00000113	0x00000114	0x00000115	0x00000116	0x00000117
USART36	0x00000118	0x00000119	0x0000011A	0x0000011B	0x0000011C	0x0000011D	0x0000011E	0x0000011F
USART37	0x00000120	0x00000121	0x00000122	0x00000123	0x00000124	0x00000125	0x00000126	0x00000127
USART38	0x00000128	0x00000129	0x0000012A	0x0000012B	0x0000012C	0x0000012D	0x0000012E	0x0000012F
USART39	0x00000130	0x00000131	0x00000132	0x00000133	0x00000134	0x00000135	0x00000136	0x00000137
USART40	0x00000138	0x00000139	0x0000013A	0x0000013B	0x0000013C	0x0000013D	0x0000013E	0x0000013F
USART41	0x00000140	0x00000141	0x00000142	0x00000143	0x00000144	0x00000145	0x00000146	0x00000147
USART42	0x00000148	0x00000149	0x0000014A	0x0000014B	0x0000014C	0x0000014D	0x0000014E	0x0000014F
USART43	0x00000150	0x00000151	0x00000152	0x00000153	0x00000154	0x00000155	0x00000156	0x00000157
USART44	0x00000158	0x00000159	0x0000015A	0x0000015B	0x0000015C	0x0000015D	0x0000015E	0x0000015F
USART45	0x00000160	0x00000161	0x00000162	0x00000163	0x00000164	0x00000165	0x00000166	0x00000167
USART46	0x00000168	0x00000169	0x0000016A	0x0000016B	0x0000016C	0x0000016D	0x0000016E	0x0000016F
USART47	0x00000170	0x00000171	0x00000172	0x00000173	0x00000174	0x00000175	0x00000176	0x00000177
USART48	0x00000178	0x00000179	0x0000017A	0x0000017B	0x0000017C	0x0000017D	0x0000017E	0x0000017F
USART49	0x00000180	0x00000181	0x00000182	0x00000183	0x00000184	0x00000185	0x00000186	0x00000187
USART50	0x00000188	0x00000189	0x0000018A	0x0000018B	0x0000018C	0x0000018D	0x0000018E	0x0000018F
USART51	0x00000190	0x00000191	0x00000192	0x00000193	0x00000194	0x00000195	0x00000196	0x00000197
USART52	0x00000198	0x00000199	0x0000019A	0x0000019B	0x0000019C	0x0000019D	0x0000019E	0x0000019F
USART53	0x000001A0	0x000001A1	0x000001A2	0x000001A3	0x000001A4	0x000001A5	0x000001A6	0x000001A7
USART54	0x000001A8	0x000001A9	0x000001AA	0x000001AB	0x000001AC	0x000001AD	0x000001AE	0x000001AF
USART55	0x000001B0	0x000001B1	0x000001B2	0x000001B3	0x000001B4	0x000001B5	0x000001B6	0x000001B7
USART56	0x000001B8	0x000001B9	0x000001BA	0x000001BB	0x000001BC	0x000001BD	0x000001BE	0x000001BF
USART57	0x000001C0	0x000001C1	0x000001C2	0x000001C3	0x000001C4	0x000001C5	0x000001C6	0x000001C7
USART58	0x000001C8	0x000001C9	0x000001CA	0x000001CB	0x000001CC	0x000001CD	0x000001CE	0x000001CF
USART59	0x000001D0	0x000001D1	0x000001D2	0x000001D3	0x000001D4	0x000001D5	0x000001D6	0x000001D7
USART60	0x000001D8	0x000001D9	0x000001DA	0x000001DB	0x000001DC	0x000001DD	0x000001DE	0x000001DF
USART61	0x000001E0	0x000001E1	0x000001E2	0x000001E3	0x000001E4	0x000001E5	0x000001E6	0x000001E7
USART62	0x000001E8	0x000001E9	0x000001EA	0x000001EB	0x000001EC	0x000001ED	0x000001EE	0x000001EF
USART63	0x000001F0	0x000001F1	0x000001F2	0x000001F3	0x000001F4	0x000001F5	0x000001F6	0x000001F7
USART64	0x000001F8	0x000001F9	0x000001FA	0x000001FB	0x000001FC	0x000001FD	0x000001FE	0x000001FF
USART65	0x00000200	0x00000201	0x00000202	0x00000203	0x00000204	0x00000205	0x00000206	0x00000207
USART66	0x00000208	0x00000209	0x0000020A	0x0000020B	0x0000020C	0x0000020D	0x0000020E	0x0000020F
USART67	0x00000210	0x00000211	0x00000212	0x00000213	0x00000214	0x00000215	0x00000216	0x00000217
USART68	0x00000218	0x00000219	0x0000021A	0x0000021B	0x0000021C	0x0000021D	0x0000021E	0x0000021F
USART69	0x00000220	0x00000221	0x00000222	0x00000223	0x00000224	0x00000225	0x00000226	0x00000227
USART70	0x00000228	0x00000229	0x0000022A	0x0000022B	0x0000022C	0x0000022D	0x0000022E	0x0000022F
USART71	0x00000230	0x00000231	0x00000232	0x00000233	0x00000234	0x00000235	0x00000236	0x00000237
USART72	0x00000238	0x00000239	0x0000023A	0x0000023B	0x0000023C	0x0000023D	0x0000023E	0x0000023F
USART73	0x00000240	0x00000241	0x00000242	0x00000243	0x00000244	0x00000245	0x00000246	0x00000247
USART74	0x00000248	0x00000249	0x0000024A	0x0000024B	0x0000024C	0x0000024D	0x0000024E	0x0000024F
USART75	0x00000250	0x00000251	0x00000252	0x00000253	0x00000254	0x00000255	0x00000256	0x00000257
USART76	0x00000258	0x00000259	0x0000025A	0x0000025B	0x0000025C	0x0000025D	0x0000025E	0x0000025F
USART77	0x00000260	0x00000261	0x00000262	0x00000263	0x00000264	0x00000265	0x00000266	0x00000267
USART78	0x00000268	0x00000269	0x0000026A	0x0000026B	0x0000026C	0x0000026D	0x0000026E	0x0000026F
USART79	0x00000270	0x00000271	0x00000272	0x00000273	0x00000274	0x00000275	0x00000276	0x00000277
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USART81	0x00000280	0x00000281	0x00000282	0x00000283	0x00000284	0x00000285	0x00000286	0x00000287
USART82	0x00000288	0x00000289	0x0000028A	0x0000028B	0x0000028C	0x0000028D	0x0000028E	0x0000028F
USART83	0x00000290	0x00000291	0x00000292	0x00000293	0x00000294	0x00000295	0x00000296	0x00000297
USART84	0x00000298	0x00000299	0x0000029A	0x0000029B	0x0000029C	0x0000029D	0x0000029E	0x0000029F
USART85	0x000002A0	0x000002A1	0x000002A2	0x000002A3	0x000002A4	0x000002A5	0x000002A6	0x000002A7
USART86	0x000002A8	0x000002A9	0x000002AA	0x000002AB	0x000002AC	0x000002AD	0x000002AE	0x000002AF
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USART91	0x000002D0	0x000002D1	0x000002D2	0x000002D3	0x000002D4	0x000002D5	0x000002D6	0x000002D7
USART92	0x000002D8	0x000002D9	0x000002DA	0x000002DB	0x000002DC	0x000002DD	0x000002DE	0x000002DF
USART93	0x000002E0	0x000002E1	0x000002E2	0x000002E3	0x000002E4	0x000002E5	0x000002E6	0x000002E7
USART94	0x000002E8	0x000002E9	0x000002EA	0x000002EB	0x000002EC	0x000002ED	0x000002EE	0x000002EF
USART95								

# VERSION MANAGEMENT WITH GIT

## PRACTICAL INTRODUCTION



- FROM BASIC FUNCTIONS TO HANDLING BRANCHES AND REMOTE REPOSITORIES TO TIPS AND TRICKS FOR (NOT ONLY) EVERYDAY FUNCTIONS
- CHOOSING USEFUL WORKFLOWS AND USING THEM FOR TEAMS
- HOSTING GIT REPOSITORIES WITH GITHUB AND GITLAB
- WITH PRACTICAL REFERENCE MAP

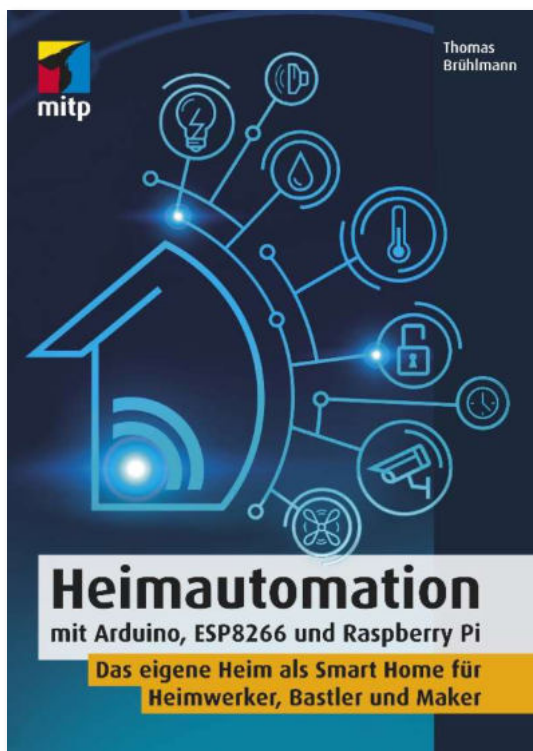
328 pages, € 29,99 (D)  
Paperback, 17 x 24 cm  
ISBN: 978-3-7475-0304-1

**Sujeewan Vijayakumaran** is a DevOps Consultant who works with software developers and system administrators to help them move to Git and implement practical workflows. He has been an avid Git user for almost a decade and uses it not only for developing software and system administration, but also for versioning many other files.



## HOME AUTOMATION WITH ARDUINO, ESP8266 AND RASPBERRY PI

YOUR OWN HOME AS A SMART HOME FOR DO-IT-YOURSELFERS,  
HOBBYISTS AND MAKERS



- USE OF SENSORS SUCH AS LIGHT, ENVIRONMENTAL AND BAROMETER SENSORS AS WELL AS RASPBERRY PI AS A CONTROL CENTER.
- USE OF READY-MADE MODULES SUCH AS MOTION DETECTORS, CONTACTS AND SMOKE DETECTORS
- USE OF SIMPLE SELF-BUILT ELECTRONIC MODULES

368 pages, € 29,99 (D)  
Paperback, 17 x 24 cm  
In full color  
ISBN: 978-3-95845-671-6

**Thomas Brühlmann** works as a consultant and has many years of experience in hardware and software development. On the side he realizes projects with open source hardware, gives talks and conducts workshops. In his blog [arduino-praxis.ch](http://arduino-praxis.ch) he follows the current development of the Arduino project and publishes projects, applications, tips and tricks.



# NEW RELEASES IN MARCH 2021

## Short overview



### **IT SERVICE MANAGEMENT**

FROM PRACTICE FOR  
PRACTICE



### **IT SECURITY MANAGEMENT**

THE COMPREHENSIVE  
PRACTICAL MANUAL



### **PYTHON 3 QUICK START**

LEARN HOW TO PROGRAM  
IN 14 DAYS

## IT SERVICE MANAGEMENT

FROM PRACTICE FOR PRACTICE



- CONCRETE ASSISTANCE FOR THE EFFECTIVE INTRODUCTION OF IT SERVICE MANAGEMENT

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**Fritz Kleiner** is CEO of Futureways GmbH and specializes in consulting and teaching in the field of IT Service Management. He has over 28 years of experience in the field of IT, which he acquired in numerous national and international customer mandates in the outsourcing, insurance, banking, pharmaceutical and administrative environment as Managing Senior Consultant and Principal.

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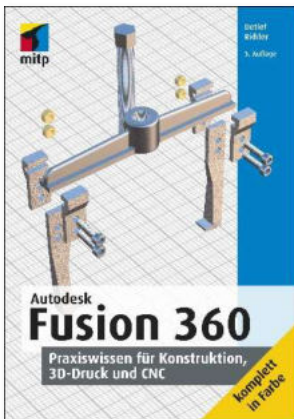
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**Michael Weigend** holds a PhD in computer science from the University of Potsdam. He worked as a teacher for more than 30 years and is also involved in several national and international communities for computer use in education, including Constructionism, International Federation for Information Processing, and Bebras. He has published over 60 scientific articles and written several books on programming, web development, and visual modeling.

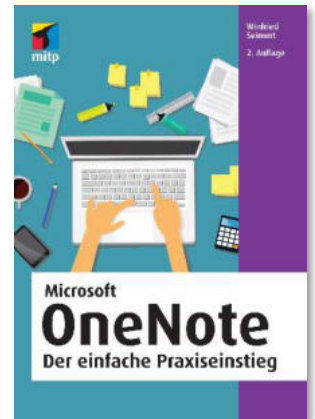
# NEW RELEASES IN APRIL 2021

## Short overview



### **AUTODESK FUSION 360**

HANDS-ON GUIDE FOR  
DESIGN, 3D PRINTING AND  
CNC



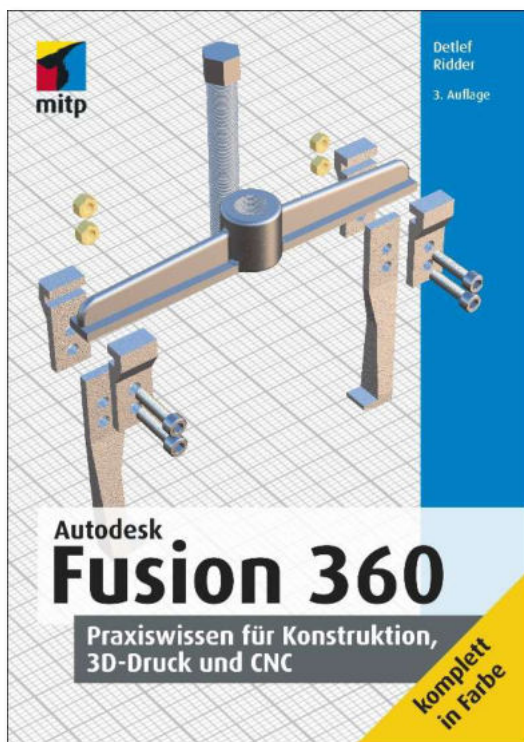
### **ONENOTE**

THE SIMPLE  
HANDS-ON GUIDE



# AUTODESK FUSION 360

## HANDS-ON GUIDE FOR DESIGN, 3D PRINTING AND CNC



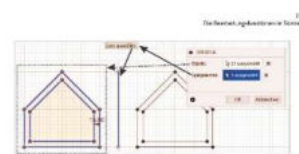
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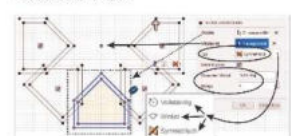
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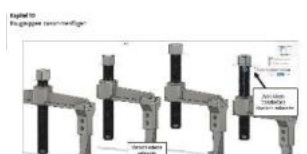
**Detlef Ridder** has many years of experience in CAD and has already published numerous books on AutoCAD, Inventor, Revit and ArchiCAD. He gives training courses on these programs and on CNC and therefore knows which issues are particularly important for beginners.



**Abb. 2.34 Skizzen**  
Beim Anordnen – Hiermit können Sie gezeichnete Objekte um einen Punkt herum positionieren. Der Punkt darf nicht zu den gewählten Objekten gehören. Der Winkelbereich können Sie einstellen als **WINKELSTRECKE (WST)** wählen oder Sie geben unter **Winkel** den auszuführenden Winkelbereich an. Ein positiver Winkel wird gegen den Uhrzeigersinn gemessen. Mit dem **Tip (TIPSTRECKE)** wird der Winkel vom Ausgangspunkt nach positiv, nach negativ gemessen. Die Objekte **UNTERRANDEN** zeigen dann an jedem Element im Zeichnungsraum ein Maßlinien-Symbol an und erlauben es, Umkreisformen der Anordnung durch Wippen des Maßbalkens schneller zu machen.

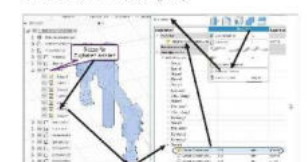


**Abb. 2.35 Toren Anordnen**  
Der fertige Anordnungsblock wird im Zeichnungsraum mit einer Markierung versehen, über die die nach Doppelklick wieder verändert werden kann.



**Abb. 10.43 Verschiedene Positionen der Teile**

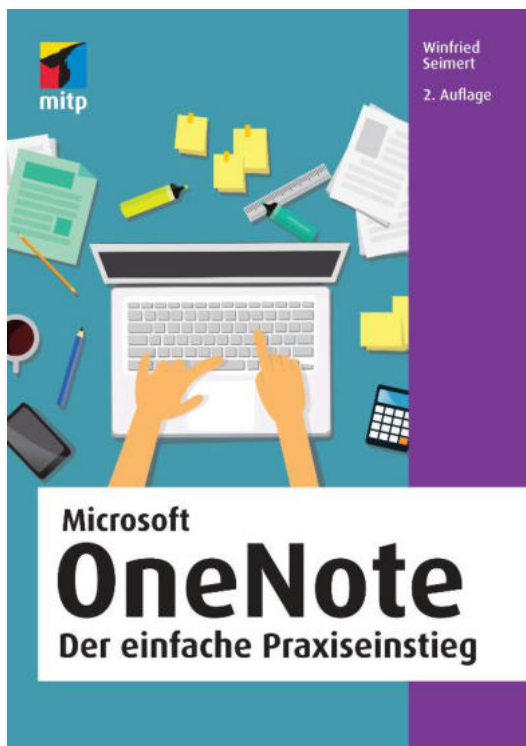
**10.4 Parameter ändern**  
Der Wert einer parametrischen Konstruktion, die über Skizzen definiert ist, liegt darin, dass diese Parameter fest die Abmessungen in der Skizze oder auch in der Baugruppe nachträglich über die Parametertabelle geändert werden können und damit sofort neue Werte resultieren.  
Unter **KONSTRUKTIONEN/BAUGRUPPEN/BAUGRUPPEN** • **PARAMETER** ändern erhalten Sie Einblick in die Parametertabelle (Abbildung 10.44).



**Abb. 10.44 Tabelle mit Änderungen**

# ONENOTE

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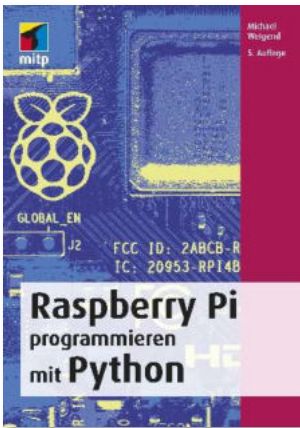
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**Winfried Seimert** is an IT lecturer, consultant and author of numerous technical books, especially on the topics of software and operating systems. He always keeps the user's comfort in mind and explains in a correspondingly practical manner. Thus, his books have enjoyed great popularity since the mid-nineties due to their well thought-out structure.



# NEW RELEASES IN MAY 2021

## Short overview



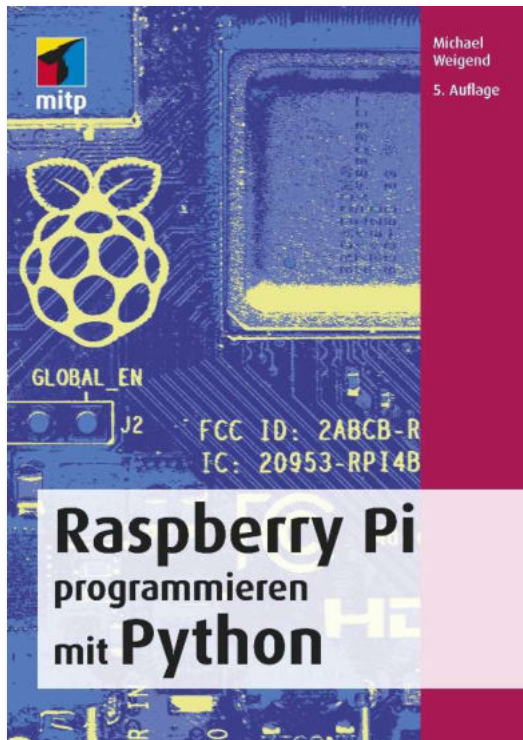
### **PROGRAMMING RASPBERRY PI WITH PYTHON**

### **PHOTOGRAPHY AND LAW IN FOCUS**

EVERYTHING YOU NEED TO  
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PRICING, TAX, RIGHTS OF  
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**Sebastian Deubelli** works as a specialist attorney for copyright and media law. He is the legal counsel of the photographers' association *PIC Verband e.V.* and the association lawyer of the *Bundesverband professioneller Bildanbieter*. His column on legal topics related to the photo business has appeared in the magazine *PROFIFOTO* since 2016.

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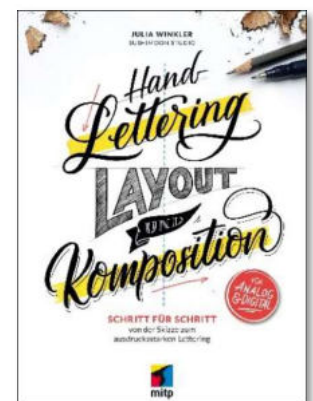
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**Helmut Gräfen** is an organizational consultant, trainer, coach and sought-after expert for Microsoft Teams, MS Outlook and MS OneNote. In his seminars, consulting projects and with his consulting and training company team babel AG®, he offers support for productive work with Office 365, in the areas of MS Teams and MS SharePoint Online.

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**Thomas Brühlmann** works as a consultant and has many years of experience in hardware and software development. Additionally, he realizes projects with open source hardware, gives talks and conducts workshops. In his blog at [555circuitslab.com](https://555circuitslab.com) he publishes projects, applications, tips and tricks.

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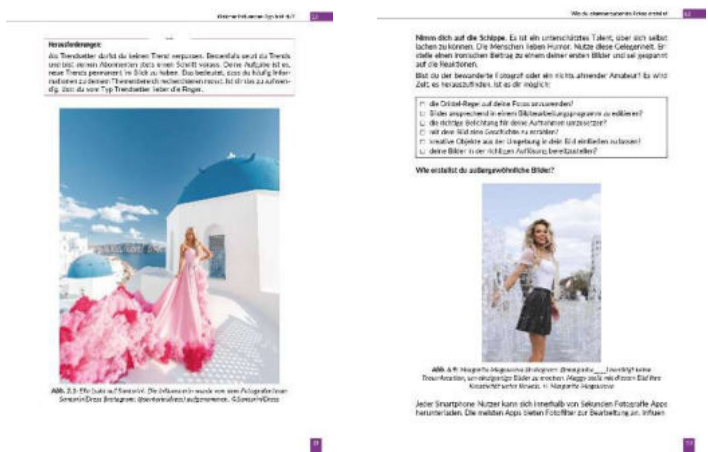
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**Niklas Hartmann** is the managing director of ReachOn GmbH. The entrepreneur is responsible for Instagram and influencer marketing in his social media agency. Furthermore, he is a columnist for the DUP entrepreneur magazine. He has written 150+ social media guest posts for online and print magazines.



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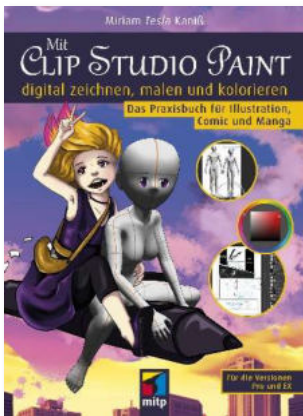
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**Julia Winkler** works with her design studio Sushimoon Studio in Stuttgart. Her heart beats for letters and she specializes in lettering and illustration. On social media under @sushimoon she regularly shares her passion for fonts.



# NEW RELEASES IN JULY 2021

## Short overview



### **DRAW, PAINT AND COLOR DIGITALLY WITH CLIP STUDIO PAINT**

THE HANDS-ON MANUAL FOR  
ILLUSTRATION, COMICS AND  
MANGA

### **C++ QUICK START**

LEARN HOW TO PROGRAM  
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### **AUTOCAD 2022 AND LT 2022 FOR ARCHITECTS AND ENGINEERS**

THE COMPREHENSIVE  
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### **DATA VISUALIZATION WITH TABLEAU**

INCLUDING DATA  
PREPARATION WITH  
TABLEAU PREP BUILDER



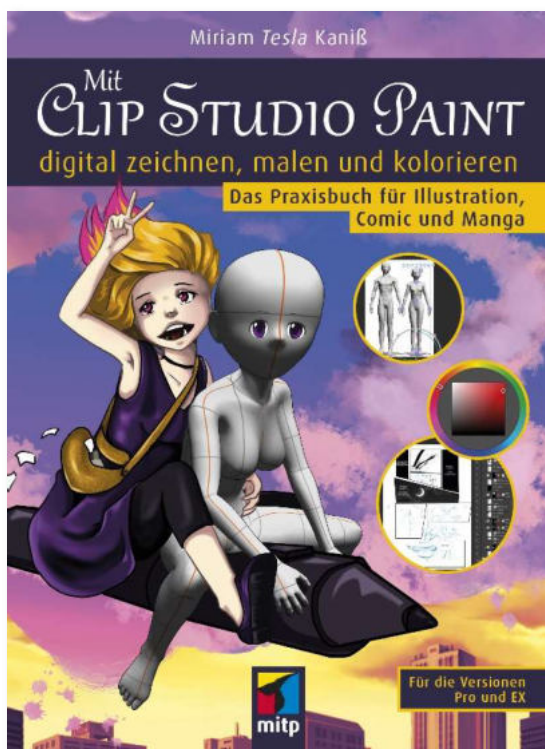
### **THE PMP EXAM**

THE EXAM PREPARATION  
EXAM UPDATE 2021



# **DRAW, PAINT AND COLOR DIGITALLY WITH CLIP STUDIO PAINT**

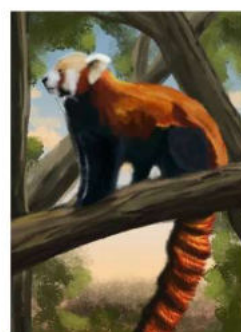
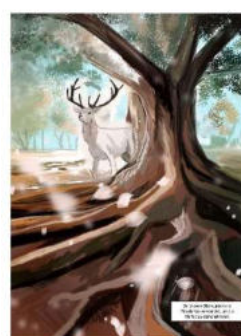
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**Miriam Kaniß** found her passion for comic and manga art in her early childhood. As Tesla, she draws fantasy and LGBTQ+ themes and in 2015 founded an association to promote cartoonists and authors. With her book, she wants to help others discover her passion for drawn stories.

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**Philipp Hasper** is founder of an augmented reality startup and experienced in academic and industrial development of AI technologies. He develops with C++, Java, Python and Typescript and has contributed to numerous open source projects.

# AUTOCAD 2022 AND LT 2022 FOR ARCHITECTS AND ENGINEERS

THE COMPREHENSIVE HANDS-ON MANUAL



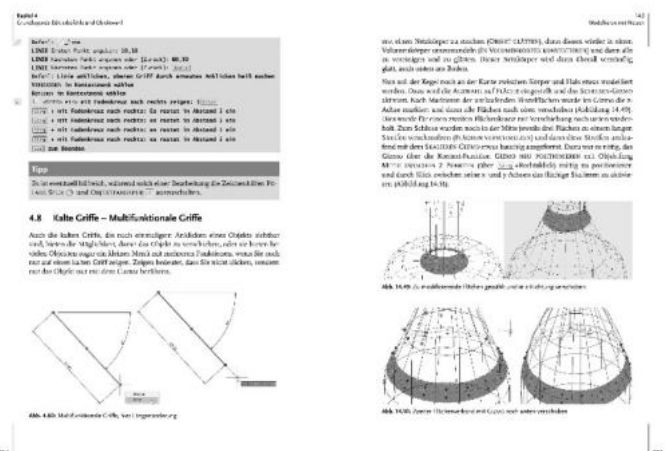
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**Detlef Ridder** has already published numerous books on AutoCAD, Inventor, Revit and ArchiCAD and gives training courses on these programs and in the field of CNC.



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**Alexander** Loth comes from a data-intensive nuclear research background and has been working for Tableau since 2015. In recent years, he has specialized in Digital Transformation, Big Data, Machine Learning and Business Analytics in the Finance and Crypto Assets environment and advises companies on building data-centric strategies.

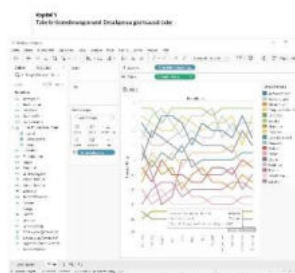


Abb. 5.10: Barchart mit Doppelschicht um Informationslinie ergänzen

Im vorliegenden Abschnitt haben Sie ein Barchart erstellt. Was ist aber noch gefordert, um die Analyse von komplexen Informationsstrukturen zu vereinfachen? Diese Informationsstruktur können beispielsweise Daten beinhalten, die eine Lösung für ein bestimmtes Problem darstellen und somit das Barchart durch zusätzliche Informationen bereichern.

Ein solches Informationsstruktur beinhalten, erstellen wir ein Dual-Axis-Barchart-Diagramm. Die erste Achse wird das Barchart-Diagramm sein, das wir gerade erstellt haben, und die zweite Achse wird ein Punktdiagramm sein, das die Umsatzentwicklung über Zeit zeigt.



Abb. 5.11: Karte mit Punktdiagramm ergänzen und die Karte mit einem Barchart-Diagramm kombinieren

Neben dem Kartendiagramm wie Länderspezifische, Klima und Risiko von Ressourcen haben Tableau in der letzten Version die Möglichkeit, verschiedene GIS-Funktionen einzufügen. Diese Funktionen funktionieren ähnlich wie auf dem Gebiet der Visualisierung von Daten.

Einige Funktionen sind nur in bestimmten Zusammenhängen verfügbar. Wenn Sie Funktionen auf der rechten Seite des Dashboards nicht finden, ist es möglich, dass diese Funktionen nicht verfügbar sind. Um sie zu verwenden, müssen Sie die Funktionen in der Ansicht der Karte aktivieren und die Funktionen in der Ansicht der Karte aktivieren.

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**Thomas Wuttke**, Dipl.Inform. (FH), PMP, PMI-RMP, CSM, was one of the very first PMPs in Germany and has been intensively involved in PMI® association work since 1997. **Peggy Gartner** is a PMP, studied Business Administration and Information Science and holds a Master in Total Quality Management. She has also been a PMP from the very beginning in Germany.

# NEW RELEASES IN AUGUST 2021

## Short overview



### **LINUX MANJARO**

PRACTICAL KNOWLEDGE FOR  
A COMPREHENSIVE START

### **3D DESIGNS WITH AUTODESK INVENTOR 2022**

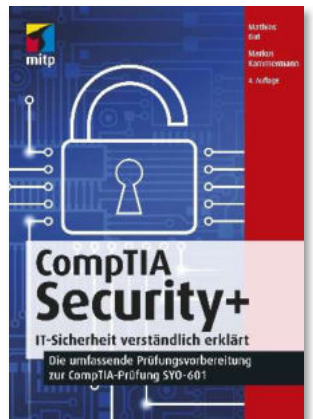
THE HANDS-ON  
INTRODUCTION



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FOODSTYLING, COMPOSITION,  
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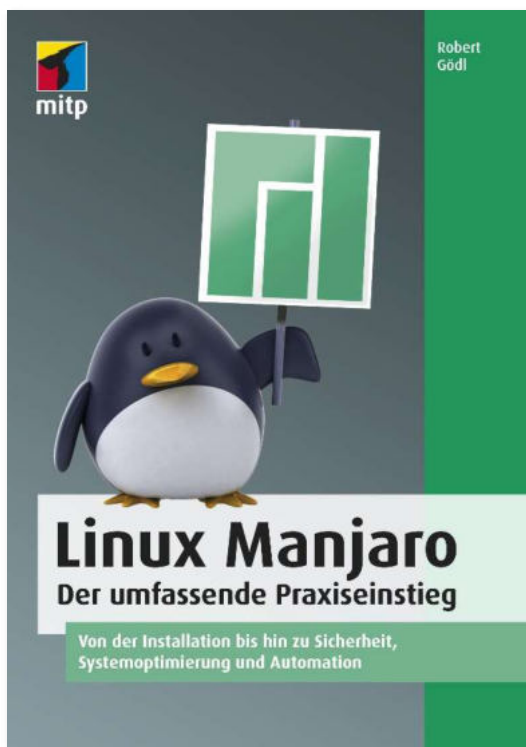
**PLOTTING WITH  
CRICUT MAKER**  
THE HANDS-ON-MANUAL:  
OVER 75 CREATIVE  
PROJECTS AND IDEAS





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**Robert Gödl** is a convinced Linux user with a preference for testing free operating systems and free software. After more than 20 years without Microsoft Windows, he wants to show others that Linux today is easy to install, use and understand. Without a lot of technical IT terms, he makes Linux quickly and easily accessible to users without prior knowledge.



# 3D DESIGNS WITH AUTODESK INVENTOR 2022

## THE HANDS-ON INTRODUCTION



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- PRACTICAL EXPLANATION OF BASIC COMMANDS WITH MANY DIFFERENT DESIGN EXAMPLES TO REPRODUCE

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**Detlef Ridder** has already published numerous books on AutoCAD, Inventor, Revit and ArchiCAD and gives training courses on these programs and in the field of CNC.

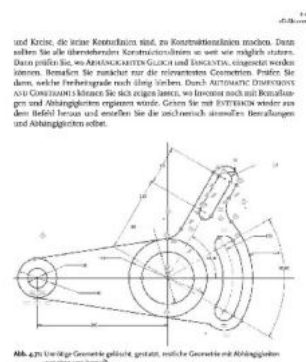


Abb. 4.21: 3D-Modell der Geometrie, gestrichelte Geometrie mit Abhängigkeiten

### 4.4.13 Skizzenblöcke

Wenn Sie in einer Skizze mehrere Konstruktionen für verschiedene Einzeilelemente oder andere 3D-Konstruktionen benötigen, ist es nützlich, diese zu verschiedenen Blöcken zusammenzufassen. Dann aktivieren Sie im Menüband die Funktion **SKIZZENBLÖCKE** (BLOCK, INSERTION) (Abb. 4.24).

Nachdem Sie die Geometrie erstellt haben, können Sie mit demselben Befehl die zusammenfassenden Elemente wählen, den Eintragspunkt angeben und einen Namen (Abb. 4.24).

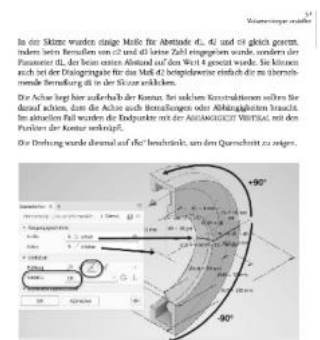


Abb. 4.22: Drehteil mit Achse außerhalb der Kontur und 180°

Für das Unterteilen gibt es die Optionen:

- **Werkzeug** – Hier geben Sie den Winkel an, um den das Profil rotiert wird, beispielsweise 180°.
- **Rot** – Hier können Sie angeben, bis zu welcher Fläche rotiert werden soll.
- **Zugachse** – In diesem Dialogfeld können Sie wählen, um welche Rotationsachse (z.B. XZ-Ebene und YZ-Ebene) rotiert.
- **Y-Z** – Das Profil wird um 90° rotiert.

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**Ines Eschbacher** is the founder and managing director of *Punkt & Komma*, an agency for content & marketing for the tourism and experience sectors. As a content strategist, she develops and realizes content and content concepts. She is the founder of the Austrian content conference ContentDay and the education platform ContentCampus.

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- WITH PREPARATION QUESTIONS FOR EACH SUBJECT AREA

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**Markus Kammermann**, trained ICT project manager and adult trainer for CompTIA Security+, has been active in systems and network technology for more than twenty years. He is author of numerous technical books. **Mathias Gut** is an information and cyber security expert. He is trained and certified in various areas of security issues. As a lecturer, he teaches in the field of information technology with a focus on IT security.

# FOOD PHOTOGRAPHY

FOODSTYLING | COMPOSITION | LIGHT | PROPS



- IMPRESSIVE PHOTOS WITH SIMPLE EQUIPMENT

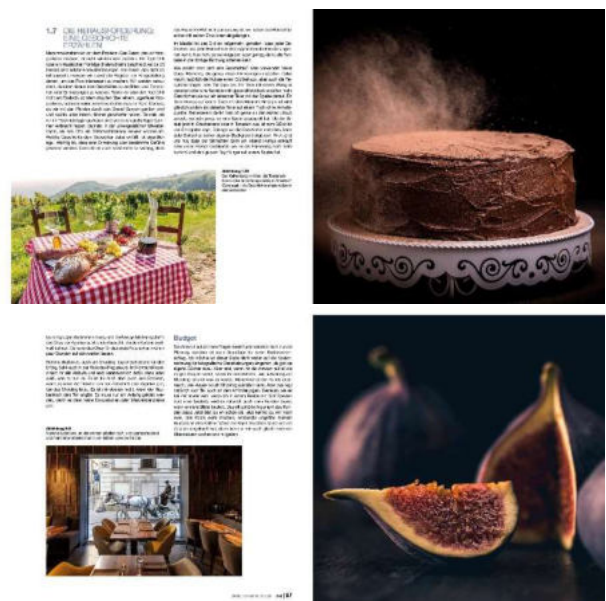
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**Cliff Kapatais** is a professional food photographer. He also works as a lecturer and speaker, runs an agency and is the initiator of the PIXEL.POWER conference.



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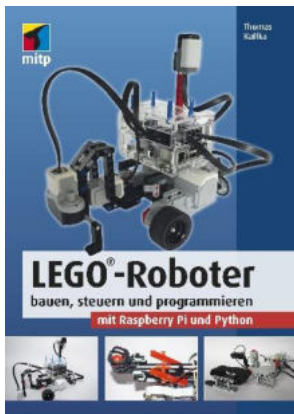
ISBN: 978-3-7475-0343-0

**Myriam Schlag** studied graphic design, journalism and psychology - the perfect combination for writing books about creative projects. Since childhood, she has loved being creative, tinkering and designing things. With the plotter, she has found the ideal tool to implement her ideas and share them with others.



# NEW RELEASES IN SEPTEMBER 2021

## Short overview



**BUILD, CONTROL AND  
PROGRAM LEGO ROBOTS  
WITH RASPBERRY PI  
AND PYTHON**

**FROM DATA-DRIVEN TO  
PEOPLE-BASED  
MARKETING**

SUCCESSFUL DIGITAL  
MARKETING STRATEGIES  
IN A PRIVACY FIRST ERA



**JAVA PRACTICE BOOK**

TASKS WITH COMPLETE  
SOLUTIONS FOR  
THE VERSIONS  
JAVA 8 TO JAVA 17

**SUCCESS IN THE  
PHOTO BUSINESS**

PRECIOUS KNOW-HOW  
FOR PHOTOGRAPHERS  
FROM ACQUISITION TO  
PORTFOLIO



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- SOLVE MAZES, RECOGNIZE SHAPES WITH A NEURAL NETWORK, SHOOT CARDBOARD CARDS VIA IMAGE RECOGNITION AND MUCH MORE
- ALL PROGRAMS AND BUILDING INSTRUCTIONS FOR DOWNLOAD

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Paperback, 17 x 24 cm  
In full color  
ISBN: 978-3-7475-0310-2

**Thomas Kaffka** has worked as a software engineer as well as project manager in software houses, auditing and consulting companies. He is a true maker and is involved in various topics such as building LEGO® robots, artificial intelligence research as well as 3D printing.

## **FROM DATA-DRIVEN TO PEOPLE-BASED MARKETING**

SUCCESSFUL DIGITAL MARKETING STRATEGIES IN  
A PRIVACY FIRST ERA



- CONTEMPORARY AND PERSON-CENTRIC MARKETING WITHOUT COOKIES: FROM DATA-DRIVEN TO PEOPLE-BASED MARKETING

- FIRST-PARTY DATA AND CUSTOMER DATA PLATFORMS: FROM USER DATA COLLECTION TO CROSS-CHANNEL USER IDENTIFICATION AND PERFORMANCE MEASUREMENT

- ORCHESTRATING CUSTOMER JOURNEYS WITH ALWAYS-ON MARKETING PROGRAMS: THE RIGHT MESSAGE TO THE RIGHT PERSON AT THE RIGHT TIME

272 pages, € 29,99 (D)  
Hardcover, 17 x 24 cm  
ISBN: 978-3-7475-0410-9

**Marco Hassler** works at *Merkle*, a leading customer engagement agency. He advises large companies on marketing technologies and the use of data for more successful marketing. He has been working in the digital environment for over 20 years and was co-owner of the digital agency *Namics*.

## JAVA PRACTICE BOOK

TASKS WITH COMPLETE SOLUTIONS FOR THE VERSIONS  
JAVA 8 TO JAVA 17



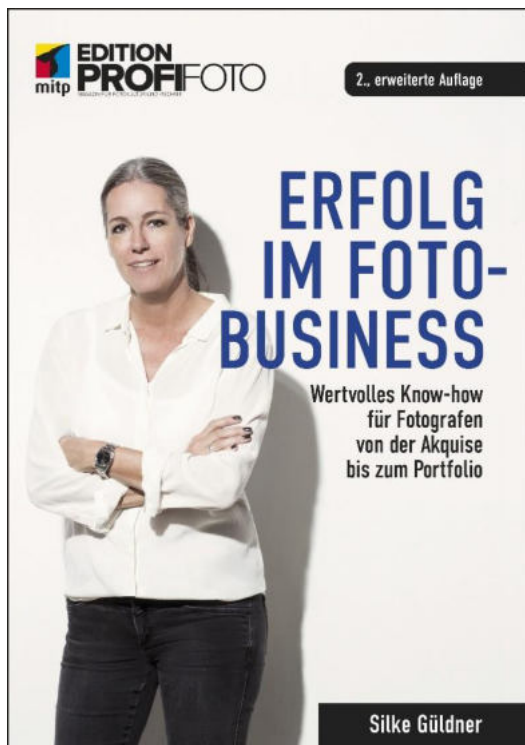
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- LEARNING BY DOING WITH PRACTICAL EXERCISES
- WITH COMPLETE AND COMMENTED SOLUTIONS

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Paperback, 14,8 x 21 cm  
ISBN: 978-3-7475-0449-9

**Elisabeth Jung** is a freelance writer living in Frankfurt am Main, Germany. After studying mathematics at the *University of Temeschburg* in Romania, Elisabeth Jung taught basic computer science and Fortran. In 1982 she has already published a task collection for Fortran at the same university.

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**Silke GÜldner** is a consultant for photographers and creative professionals, lecturer and speaker. Her column on relevant issues from the job practice of professional photographers has appeared in the magazine *ProfiFoto* since 2011. Since 2004 she has been giving individual consultations for professional and up-and-coming photographers as well as workshops for associations, companies and institutions from the creative and photographic industries.



# NEW RELEASES IN OCTOBER 2021

## Short overview



### **INNOVATION PLUG & PLAY**

99 ½ EFFICIENT TOOLS FOR  
CREATIVITY, NEW PRODUCTS  
AND SERVICES

### **PRIVATE CLOUD AND HOME SERVER WITH QNAP NAS**

THE COMPREHENSIVE  
HANDS-ON MANUAL



### **QUICKSTART CINEMA 4D**

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WEEK

MODELING, TEXTURING,  
ANIMATION, SCENE BUILDING  
AND RENDERING

### **WRITING SCIENTIFIC PAPERS WITH LATEX**

BEGINNER'S GUIDE



### **QUICKSTART ZOOM**

COMPREHENSIVE AND EASY  
TO UNDERSTAND MANUAL

FOR VIDEO MEETINGS AND  
WEBINARS

### **HOMERECORDING**

COMPREHENSIVE HANDS-  
ON MANUAL



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CREATE PLUGINS  
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- ADVANCE AND ANCHOR INNOVATION PROCESSES AND CULTURE IN THE COMPANY

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Paperback, 19,5 x 19,5 cm  
two-colored  
ISBN: 978-3-7475-0295-2

**Lutz Lungershausen** is Creative Director and Innovation Manager of a 50-people advertising and marketing agency. On the side, he writes technical articles, leads creative workshops, is a speaker and generates ideas by the second.

## QUICKSTART CINEMA 4D

LEARN CINEMA 4D IN ONE WEEK  
MODELING, TEXTURING, ANIMATION, SCENE  
BUILDING AND RENDERING



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**Maik Eckardt** is a freelance 3D graphic designer and Cinema 4D trainer at the SAE Institute, the Institute of Design (IN.D), the Berlin Technical Academy of Art (BTK) and the HTK Academy Berlin, among others.

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**Winfried Seimert** is an IT lecturer, consultant and author of numerous technical books, especially on the topics of software and operating systems. In doing so, he always keeps the user's comfort in mind and explains in a correspondingly practical manner.

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**Sabine Herbst** is a designer and artist who loves to share her enthusiasm and passion for typography, art and design with others. When she's not exploring, she gives workshops and courses on calligraphy, handlettering, painting and drawing in her own studio.



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- ADVANCED TOPICS SUCH AS VPN AND VIRTUALIZATION

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**Andreas Hofmann** is a software developer for server-based multimedia applications. He has been blogging about Synology NAS and its diversity for several years. His blog [blog.viking-studios.net](http://blog.viking-studios.net) is one of the most important places to go when it comes to running Nextcloud on NAS devices.

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- FROM TABLES AND FORMULAS TO  
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**Dr. Joachim Schlosser** manages engineers and computer scientists in the consulting division of a software company and has been working with professional text typesetting in LaTeX for 20 years.

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**Carsten Kaiser** is a sociologist (MA) and cultural scientist (BA). He graduated in jazz singing from the Glen Buschmann Jazz Academy in Dortmund and today works mainly as an audio producer and specialist book author. He also conducts research as a sociologist in the field of Art and Science of Record Production.

# LEARN HOW TO PROGRAMM WITH JAVA AND MINECRAFT

CREATE PLUGINS WITHOUT PRIOR KNOWLEDGE



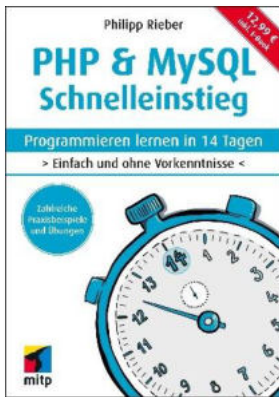
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**Daniel Braun** has been a Minecraft devotee since the early days and, as a professional, knows all facets of the game. He has already written several books about Minecraft.

# NEW RELEASES IN NOVEMBER 2021

## Short overview



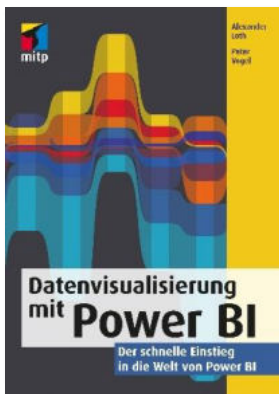
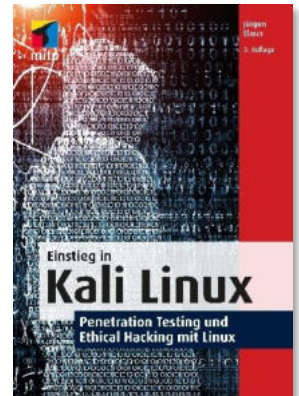
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BUILD ROBOTS AND LEARN HOW TO PROGRAM



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THE HANDS-ON BOOK

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### **ARCHICAD 25**

THE HANDS-ON INTRODUCTION

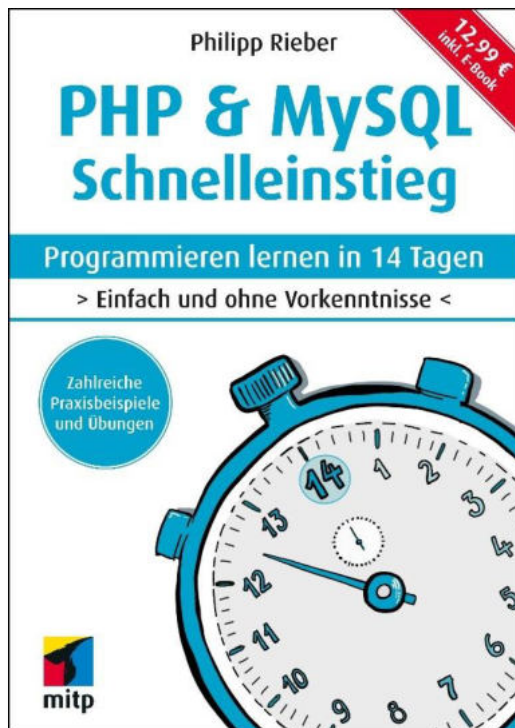
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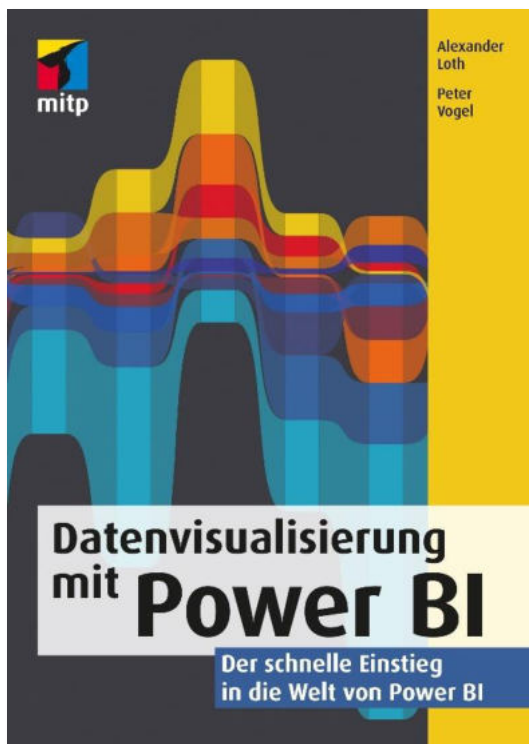
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**Philipp Rieber** has been developing Internet applications for over 20 years and enjoys inspiring others to do so. As a software architect, he has been designing Germany's first digital health insurance since its inception.

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**Alexander Loth** comes from data-intensive nuclear research and works for Microsoft. Among other things, he has an MBA from the Frankfurt School of Finance & Management and worked as a Data Scientist at CERN, as well as in software development at SAP.

**Peter Vogel** supports companies from various industries in the development of their data strategy and the use of modern analysis platforms for big data and visualization.

## **PLOTTING WITH THE CAMEO 4**

THE HANDS-ON BOOK  
OVER 60 CREATIVE PROJECTS AND IDEAS



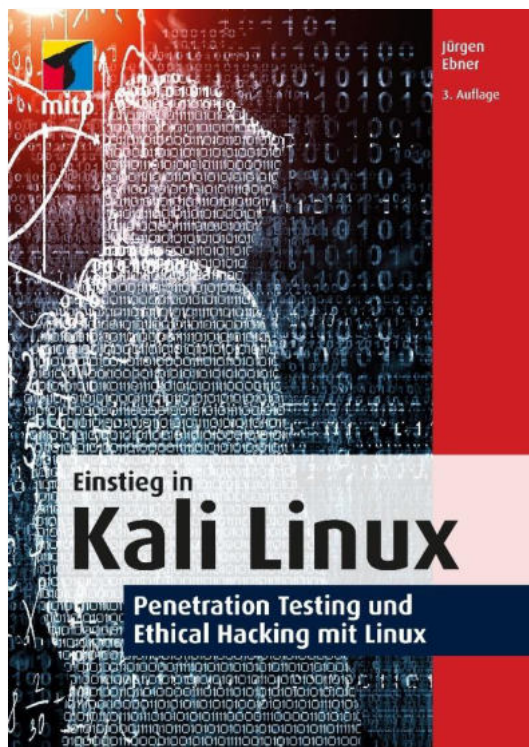
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**Myriam Schlag** studied graphic design and journalism as well as psychology - the perfect combination for writing books about creative projects. With the plotter, she has found the ideal tool for herself to implement her ideas and share them with others.

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Paperback, 17 x 24 cm  
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**Jürgen Ebner** is, among other things, an IT technician and certified data protection and IT security expert. When it comes to IT support, he relies on proactive services to ensure greater security in companies. With his IT company ICTE, he offers managed services as well as security assessments and the development of data protection concepts.

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BUILD ROBOTS AND LEARN HOW TO PROGRAM



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- LOTS OF FUN WITH ROBO: FROM A TURBO TRICYCLE TO A CAT ON THE PROWL TO A DOOR ALARM SYSTEM

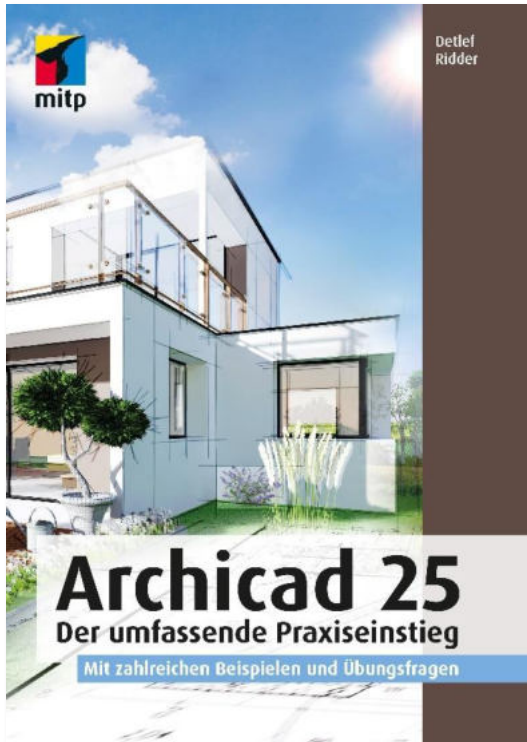
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Paperback, 17 x 24 cm  
In full colour  
ISBN: 978-3-7475-0298-3

**Michaela Weiß** is a media educator and has been leading robotics workshops at schools throughout Germany for over ten years.



## **ARCHICAD 25**

THE HANDS-ON INTRODUCTION  
WITH EXAMPLES AND PRACTICE QUESTIONS



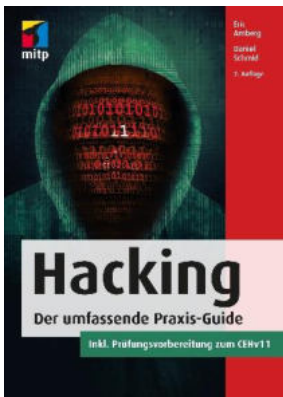
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**Detlef Ridder** has already published numerous books on AutoCAD, Inventor, Revit and ArchiCAD and gives training courses on these programs and in the field of CNC.

# NEW RELEASES IN DECEMBER 2021

## Short overview



### **HACKING**

THE COMPREHENSIVE  
PRACTICAL GUIDE

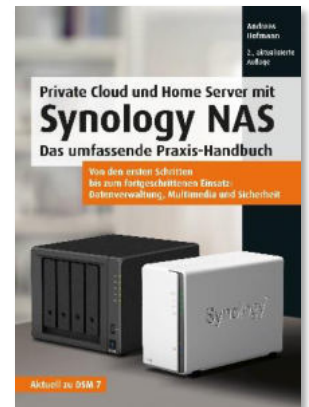
INCL. EXAM PREPARATION  
FOR CEHV11



### **WRITING SCIENTIFIC PAPERS WITH MICROSOFT WORD**

### **PRIVATE CLOUD AND HOME SERVER WITH SYNOLOGY NAS**

THE COMPREHENSIVE  
PRACTICAL HANDBOOK  
FROM FIRST STEPS TO  
ADVANCED USE: DATA  
MANAGEMENT,  
MULTIMEDIA AND  
SECURITY



## HACKING

THE COMPREHENSIVE PRACTICAL GUIDE  
INCL. EXAM PREPARATION FOR CEHV11



- METHODS AND TOOLS USED BY HACKERS, CYBERCRIMINALS AND PENETRATION TESTERS

- INCLUDES NUMEROUS STEP-BY-STEP INSTRUCTIONS AND HANDS-ON WORKSHOPS

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1248 pages, € 49,99 (D)  
Hardcover, 17 x 24 cm  
ISBN: 978-3-7475-0482-6

**Eric Amberg** is a self-employed IT networking and security expert who has completed numerous projects of all sizes over the past 20 years. He holds numerous certifications including CEHv10, CISSP, CCNP Security, LPIC-2 and is a certified Cisco trainer (CSI # 34318).

**Daniel Schmid** works for a large energy company in the area of networks and security. As a project manager for various large, partly international projects, he has gained a lot of experience in the planning and implementation of security-critical infrastructure in over 10 years.

# PRIVATE CLOUD AND HOME SERVER WITH SYNOLOGY NAS

THE COMPREHENSIVE PRACTICAL HANDBOOK  
FROM FIRST STEPS TO ADVANCED USE: DATA MANAGEMENT,  
MULTIMEDIA AND SECURITY



- STORE AND SHARE MUSIC, PHOTOS, VIDEOS, AND DOCUMENTS CENTRALLY

- MANAGE USERS, CREATE BACKUPS AND PROTECT DATA FROM UNAUTHORIZED ACCESS

- ADVANCED TOPICS SUCH AS CONFIGURING FIREWALL AND VPN, SETTING UP A WEB SERVER, USING NEXTCLOUD AND DOCKER

- NUMEROUS STEP-BY-STEP INSTRUCTIONS AND VALUABLE PRACTICAL TIPS

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Softcover, 17 x 24 cm  
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**Andreas Hofmann** is a software developer for server-based multimedia applications. He has been blogging about Synology NAS and its diversity for several years.

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- SOLUTION-ORIENTED AND COMPREHENSIBLE EXPLANATIONS - WITH QUICK INSTRUCTIONS IN CASE OF TIME PRESSURE
- FROM TABLES AND GRAPHICS TO FORMULAS AND BIBLIOGRAPHY

528 pages, € 19,99 (D)  
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