

# Editorial

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**Dear reader,**

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Developments in the IT world are so rapid that even professionals don't always find it easy to keep their own know-how up to date. In addition, there are more and more topics where hardly anyone can say: Myth or truth? And not infrequently, the answer is: it depends.

In this special issue, we also take you on a journey to exciting facts about artificial intelligence. Immerse yourself in the thought patterns and mechanisms behind this fascinating world and find out how you can manipulate image generators and how AI recognizes emotions. This issue also offers you insights into innovations that will shape our future.

Our examples show that in-depth reading material and amusement are not mutually exclusive, in which you will learn how to decode QR codes without a smartphone, how to analyze data from the James Webb telescope and how to learn how to systematically solve Rubik's cubes – not with magic, but with algorithms. Last but not least, we go way back into the past: would you have known how long it took for historical ciphers to be deciphered and how they still affect modern encryption methods today?

We hope you enjoy reading our articles – and show off your nerdy expertise even more in your future conversations.



Anke Brandt