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Understanding Cryptography: A Textbook for Students and ...

Christof Paar has the Chair for Embedded Security at the University of Bochum, Germany, and is Adjunct Professor at the University of Massachusetts at Amherst, USA. Prof. Paar has taught cryptography for 15 years to engineering and computer science students in the US and in Europe, and he has taught many industrial practitioners at organizations such as Motorola, Philips and NASA. He has more than 100 publications in applied cryptography and is a cofounder of the Workshop on Cryptographic ...

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Christof Paar. Christof's research interests include highly efficient

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software and hardware realizations of cryptography, physical security, penetration or real-world systems, hardware security and cryptanalytical machines; he also works on real-world applications of embedded security for the Internet of Things, e.g. in cars, consumer devices and RFIDS.

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 $y = e^{K(x)} x = d^{K(y)}$ • Important: The key must be transmitted via a secure channel between Alice and Bob. • The secure channel can be realized, e.g., by manually installing the key for the Wi-Fi

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