

Program of the 42. Meeting, 25.10.2024

— Security and Privacy —

TU München, Professur für Codierung und Kryptographie

Gebäude N4, 2. Obergeschoss, Raum N2408

Theresienstr. 90, 80333 München

9:00 – 9:00 Dirk Wübben, *Department of Communications Engineering, University of Bremen*

Welcome

9:05 – 9:30 Antonia Wachter-Zeh, *Chair of Coding and Cryptography, TU Munich*
Hannes Bartz, *Institute of Communications und Navigation, DLR Oberpfaffenhofen*

Welcome by the host

Session I

9:30 – 9:50 Sebastian Bitzer, *Chair of Coding and Cryptography, TU Munich*
HQC Beyond the BSC - Towards Error Structure-Aware Decoding

9:50 – 10:10 Werner Henkel, *Constructor University, Bremen*
Physical Layer Secret Key Generation for FDD Systems

10:10 – 10:30 Frederik Walter, *Chair of Coding and Cryptography, TU Munich*
DNA-based in-product authentication schemes

10:30 – 11:00 **Coffee break**

Session II

11:00 – 11:20 Klaus Schilling, *Institute of Computer Science, Julius-Maximilians-Universität Würzburg*
The QUBE nano-satellite for quantum key distribution to support secure communication (since August 2024 in orbit)

11:20 – 11:40 Luis Torres-Figueroa, *Chair of Theoretical Information Technology, TU Munich*
Embedding Security by Design into Post-Quantum 6G Systems

11:40 – 12:00 Amelie Sophia Ettinger, *Institute of Computer Science, Julius-Maximilians-Universität Würzburg*
Secret Key Rates of Entanglement-Based Quantum Key Distribution

12:00 – 13:10 **Lunch break**

Session III

13:10 – 13:30 Chen Yiqi, *Chair of Theoretical Information Technology, TU Munich*
Distribution-Preserving Integrated Sensing and Communication with Secure Reconstruction

13:30 – 13:50 Hugo Sauerbier Couvée, *Chair of Coding and Cryptography, TU Munich*
Generic Decoders for the Rank Metric and their Relations to the Hamming Metric

13:50 – 14:10 DLR 1, *DLR*
DLR Topic 1

14:10 – 14:40 **Coffee break**

ITG Fachgruppe „Angewandte Informationstheorie“



Session IV

14:40 – 15:00	Johannes Voichtleitner, <i>Chair of Theoretical Information Technology, TU Munich</i> Statistical verification of Physical Layer Security
15:00 – 15:20	DLR 2, <i>DLR</i> DLR Topic 2
15:20 – 15:40	
15:40 –	Closing