Contribution ID: **67** Type: **Speaker**

Future Materials for Quantum Technology

Friday 10 October 2025 10:45 (15 minutes)

Quantum technology holds great promise for information processing, communication and sensing. However, quantum states incredibly are fragile, quickly losing their advantages properties under most circumstances. To get the technology out of the lab, into the real world, extraordinary materials are required, which exhibit robust quantum states - a challenging task, but not impossible: Join me on a walk through the past, present and future UHH-Materials that enable this new technology, and explore the colorful world of artificial crystals capturing quantum light, sound and time.

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Session Classification: MIN Materials

Track Classification: MIN Materials of the Future