

Quantum technology as a Driver of Innovation

Quantum Technologies and possible implications for thin-film technologies

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Quantum Technologies (QT) are an important topic in academic research since a few decades, QT include quantum computing and simulation, quantum cryptography, and quantum sensing and metrology.

In the last decade, QT also got a lot of interest from the industry. There is already a considerable amount of technology firms with own research activities in QT and the first products will appear on the market soon. People are convinced that QT will lead to disruptive changes for many technology firms.

In other technology domains, the knowledge about QT is often not yet widespread. I want to help improving this and will talk about the basic ideas of QT, about the QT ecosystem in Europe and possible technical implications for thin-film technologies.