

# thinfilms and NEW IDEAS for SRF

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## **EASITrain, an innovative network on superconductor & cryogenics**

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The greatest challenges for wide-spread adoption of new applications of superconductivity remain the limited understanding of how to apply the fundamental principles on an engineering level and the capability to deploy the technology cost effectively on a large-scale.

EASITrain offers a cross-sectoral training program that is a fine blend of engineering, fundamental research and the development of real-scale applications in close collaboration with industry.

The EASITrain initiative aims to train the next generation of experts and establish a solid education curriculum to exploit the huge transformative potential of superconductivity.

Key research objectives include: Advance superconductor wire performance and production, develop industrial production methods, develop large-scale energy efficient cooling and deepen our understanding of the underlying mechanism of superconductivity.

In this contribution an overview is given of the EASITrain network and its part in current research.

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