

Research Project

HiPerNanoWire: High-performance superconducting nanowire single-photon detectors

Third-party funded project

Project title HiPerNanoWire: High-performance superconducting nanowire single-photon detectors

Principal Investigator(s) [Warburton, Richard](#) ;

Co-Investigator(s) [Schönenberger, Christian](#) ;

Organisation / Research unit

Departement Physik / Experimental Physics (Warburton)

Department

Project start 03.01.2016

Probable end 31.08.2017

Status Completed

Superconducting nanowire single-photon detectors (SNSPD) can achieve near-perfect detection efficiency over a broad spectral range. The goal of this project is to produce a complete solution for high-performance SNSPDs at a low fabrication cost. It will allow simple integration and alleviate the complexity of the cryogenics. Current users are mostly research labs, but the system will have the potential to reach widespread use in emerging commercial applications.

Financed by

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Specify cooperation partners

ID	Kreditinhaber	Kooperationspartner	Institution	Laufzeit - von	Laufzeit - bis
4497212	Warburton, Richard	Bussieres, Felix	University of Geneva	01.01.2016	31.12.2018