Call 2019

ApresSF

Application-ready superresolution in space and frequency

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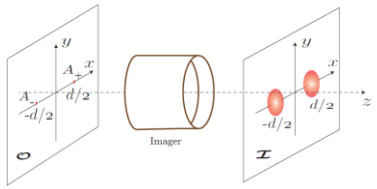
https://twitter.com/apressf

https://ictqt.ug.edu.pl/pages/research/apressf/

PROJECT PROGRESS (highlights)

CHALLENGE – pain points of the initial situation

Resolution as an estimation problem



Superresolution (both in space and frequency)

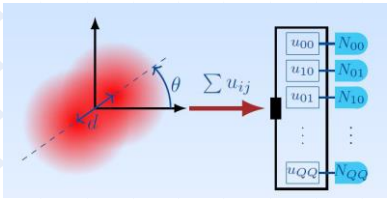
is **not application-ready** due to experimental noise and nonoptimal implementations

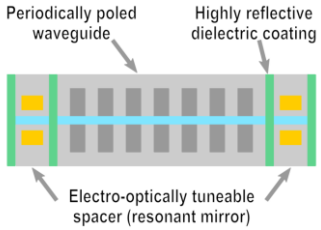
SOLUTION – the idea to resolve the challenge

Noise modelling and mitigation

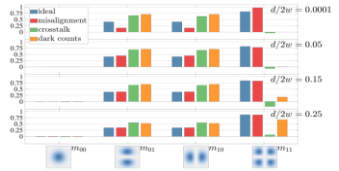
Conceptually enhanced implementation

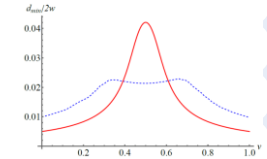
Technically improved fabrication

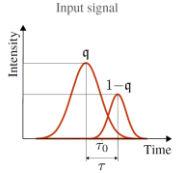


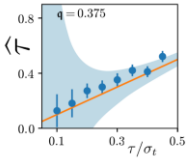


IMPLEMENTATION – achievements









more in progress

HURDLES - main difficulties faced during the research

Late start, decreased consortium mobility, difficulties with hiring new team members

IMPACT (RRI aspects)

While all team members care about good Responsible Research and Innovation, the biggest added value of the consortium is that it allows us to share individual experience.

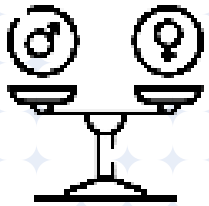
GENDER: new members funded from ApresSF

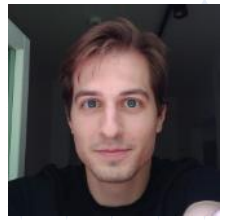
full-time | part-time


Nina


Clémentine


Dana


50% - 50%


Tomasz


Otavio


Konrad

OPEN SCIENCE: green open access

SCIENCE EDUCATION: promotion of World Quantum Day

PUBLIC ENGAGEMENT: extensive promotion of quantum technologies at national and EU level

ETHICS: research always facilitating 'doing good'

research outcomes always being honestly reported

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