

**Information form of a participant in the competition for a research position
of senior researcher (1.00), scientific speciality - condensed matter physics
(01.04.07) at St Petersburg State University**

Full name **TAIOLI SIMONE**_____

Academic degree PhD_____

Academic title **SENIOR RESEARCHER**_____

Academic work experience **19 years**_____

Number of publications*, indexed in the Russian Science Citation Index, Web of Science CC **21**,
Scopus **23**, H-index in RSCI____, Web of Science CC **18**, Scopus **19**__

Number of research grant applications* submitted to Russian science foundations _____, non-Russian
science foundations _____, other external sources _____.

Number of research contracts* participated by the applicant. Please specify the year, period and title of
each contract, total funding allocated under each one, and your status (director / participant):

- with Russian science foundations _____,

- with non-Russian science foundations _____

1. November 2020 - October 2023, Project acronym: **QUICHE** € 66,000

QUantum Sensing TeChnology for Fundamental PHysics Experiments

CO-PRINCIPAL INVESTIGATOR - granted by the Q@TN consortium

2. November 2020 - October 2023, Project acronym: **NADIA** € 66,000

QUantum sensing with laser-synthesized nano-diamond NV color centers

CO-PRINCIPAL INVESTIGATOR - granted by the Q@TN consortium

3. November 2019 - October 2022, Project acronym: **ML Q-FORGE** : € 66,000

Machine Learning techniques FOR Quantum Gate Engineering

CO-PRINCIPAL INVESTIGATOR - granted by the Q@TN consortium

4. November 2019 - October 2021, Project acronym: **NANOCATER** : € 66,000

High-Z ceramic oxide nanosystems for mediated proton cancer therapy

CO-PRINCIPAL INVESTIGATOR - granted by the Caritro Foundation

5. July 2018 - August 2021, Project acronym: **ARTIQS** : € 240,000

ARTificial Intelligence for Quantum Systems

CO-PRINCIPAL INVESTIGATOR - granted by the Q@TN consortium

6. November 2016 - presently **NEMESYS**: € 300,000

*Non equilibrium dynamics models and excited state properties of low-dimensional
systems*

CO-PRINCIPAL INVESTIGATOR - granted by National Institute of Nuclear Physics

(INFN)_____

- with other external organisations _____,

- with St Petersburg State University _____.