

# Information form of a participant in the competition for Associate Professor (0.25) (Physics) - Condensed matter physics at St Petersburg State University

Full name **TAIOLI SIMONE**\_\_\_\_\_

Academic degree **Dr. Mult. (2 PhDs in Physics and Nuclear Engineering)**\_\_\_\_\_

Academic title **SENIOR RESEARCHER (Equivalent to Associate Professor)**\_\_\_\_\_

Academic work experience 20 years\_\_\_\_\_

- Number of habilitation to full professor: **2 (in Italy and France)**

Number of publications\* (with 2018), indexed in the Russian Science Citation Index\_\_\_\_, Web of Science CC 18, Scopus 16, H-index in RSCI\_\_\_\_, Web of Science CC 20, Scopus 21.

Number of research grant applications\* submitted to Russian science foundations 0, non-Russian science foundations 20, other external sources \_\_\_\_.

Number of research contracts\* (with 2018), 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. January 2021 - December 2024, , Project acronym: **PANDORA** € 3,500,000 *Plasma for Astrophysics, Nuclear Decays Observation and Radiation for Archaeometry* **CO-PRINCIPAL INVESTIGATOR** - granted by the National Institute for Nuclear Physics (INFN)

2. 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

3. 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

4. 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

5. 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

6. July 2018 – August 2021, Project acronym: **ARTIQS** : € 240,000 *ARTificial Intelligence for Quantum Systems* **CO-PRINCIPAL INVESTIGATOR** - granted by the Q@TN consortium\_\_\_\_\_

- with other external organisations \_\_\_\_\_.

- with St Petersburg State University \_\_\_\_\_.

Experience of research advising and consulting\*(with 2018):

- number of dissertations: PhD candidate's **2 (undergoing)**, Phd thesis supervised **2 (accomplished, both were with “Sealing of Excellence”)**, master's students **2**, Postdoctoral students **3**

Experience in teaching methodology\*\*(with 2018): - number of developed and implemented courses: **4 (2 @ Peter the Great St. Petersburg Polytechnic University in the last two academic years) in**

**condensed matter and solid state physics** - number of textbooks and learner's guides, edited and finalised for publication **0**

Any other information provided at the candidate's initiative \_\_\_\_\_

Decision of the Personnel Qualification Board \_\_\_\_\_

Results of the voting of the Academic Council of the SPbU academic institute / SPbU faculty (Academic Councils of the SPbU academic institutes / SPbU faculties)

\* for the period specified in the call for applications