

# Evgenii Safronov



# Moscow Institute of Physics and Technology

Well-known as *Phystech*

School years: Physics, Astronomy, Programming, Math

- ▶ ⇒ entered DGAP in 2013
- ▶ "Abramovka" scholarship for excellent study
- ▶ NIX scholarship for best results on programming courses
- ▶ Diploma with honors, **4.92** GPA
- ▶ graduated in 2017

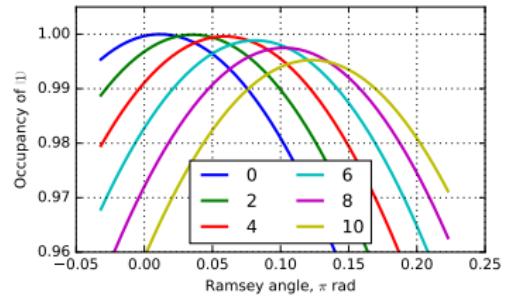
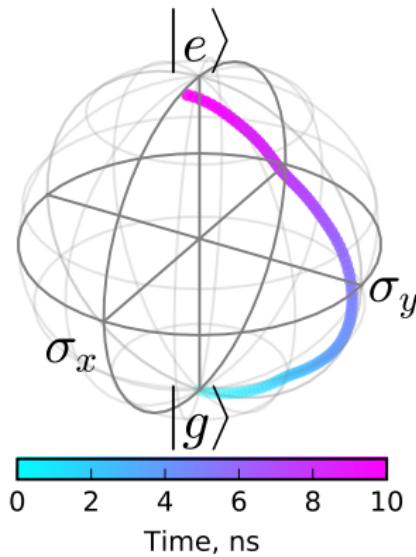


Programming:

3 compulsory +  
2 elective programming  
courses +  
6 extra programming  
courseworks =  
always **excellent** marks

# Thesis

## "Single and Double Qubit Gates Optimization"



<https://github.com/safoex/qubitlab/>

# Summer School Programme

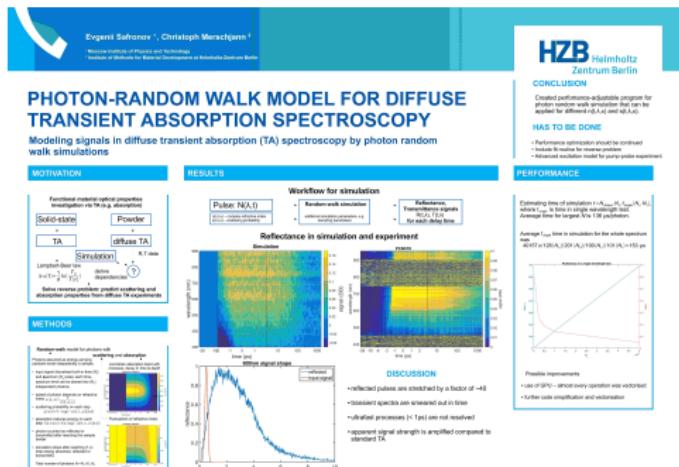


2 months

Poster presentation

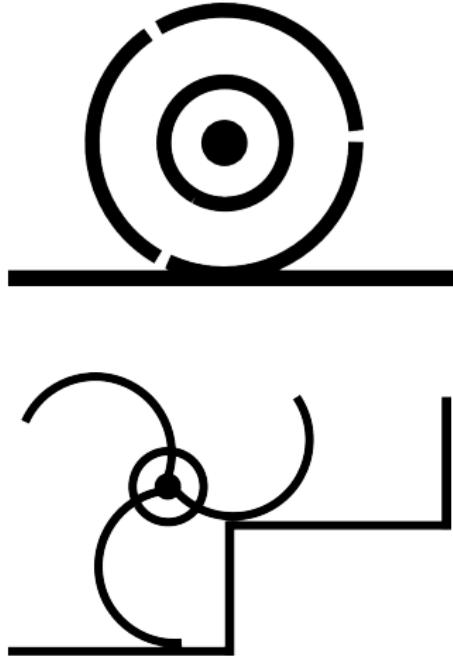
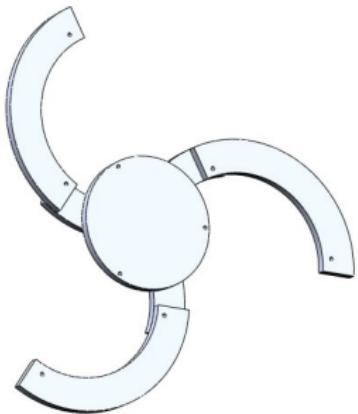


## "Photon management for femtosecond transient absorption in scattering functional materials"



# Robotics Expo & UMNIK

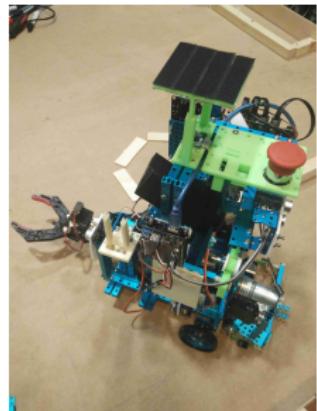
Universal platform for indoor mobile robots –  
need for both **speed** and overcoming **obstacles**



# Eurobot

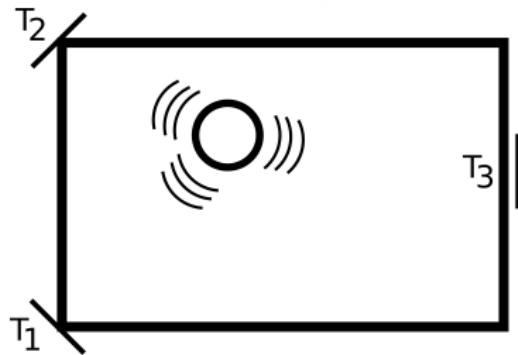
Russian finals participation – no supervisors

- ▶ ROS & PYTHON
- ▶ Ubuntu Mate
- ▶ Raspberry Pi 3
- ▶ Arduino & C++
- ▶ Grip on manipulator
- ▶ Balls canon
- ▶ Cylinder position detection
- ▶ 2 attempts for global navigation *without LIDAR*



# Global navigations

Ultrasonic time-of-flight  
measurements



Cone mirror and camera



# Eurobot tests

