

## Usecases by quantum technologies for social contribution

**Yuichi Nakamura**

*NEC Corp.*

---

### **Abstract**

One of targets of Q-star is to develop new industries by using quantum technologies. We think image of social contribution to develop new quantum industries are the most important issue.

Then, each Q-star subgroup is looking for use cases for social contribution. The subgroup of applications of quantum superposition is a discussion group of applications of computer with quantum superposition. We think quantum superposition has advantages in huge search area, simulation of elementary particles, and randomness.

Currently, our subgroup is discussing use cases in total solution of social contribution or solution. In my talk, I presented our proposed solution level use cases by using quantum superposition.