

Title: Quantum Industry and Policy Development of South Korea

Abstract:

South Korea has been studying quantum information for 15 years. But, we are retarded in achieving tangible results because of no policy supporting the development of quantum information technology. In 2014, Korea made a master plan. But it did not work properly because of relative low level in technology readiness and was focused on QKD only. Last year, raising relatively small funding for quantum computer and quantum sensors was possible to plan to develop technologies from 2019 for 5 years. And, for quantum communication, we plan several R&D projects to develop urgent and core technologies for industry. And, we are preparing a plan for long term research with a hope to be a technology partner to the world.