

연수 제안서

연구 분야	Quantum information
연구 과제명	Experimental research on quantum optics and quantum information
연수 제안 업무	Developing quantum optical technology and its application to quantum information processing
<p>(연수 내용)</p> <ul style="list-style-type: none">- <i>Developing experimental quantum optics technology</i><ol style="list-style-type: none">1. <i>Discrete-variable (DV) quantum optical technology</i>2. <i>Continuous-variable (CV) quantum optical technology</i>3. <i>DV-CV hybrid quantum optical technology</i>- <i>Advanced quantum network technology</i><ol style="list-style-type: none">1. <i>Efficient entanglement generation, manipulation and measurement</i>2. <i>Developing quantum channel loss robust quantum communication technology</i>3. <i>Technology development for quantum network</i>- <i>Photonic quantum simulations</i><ol style="list-style-type: none">1. <i>Finding useful applications of quantum simulations</i>2. <i>Demonstration of photonic quantum simulations</i>	
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