**Quantum Quest Seed Fund Round 12**

**Exploratory Application**

Please refer to the Quantum Quest Seed Fund Guidelines available at [tqt.uwaterloo.ca](http://tqt.uwaterloo.ca/opportunities/quantum-seed/).

**Definitions:**

**Principal Investigator:** Any tenure-track faculty at the University of Waterloo who will lead the project

**Collaborators:** Faculty and/or researchers internal or external to the university who will contribute to the project.

|  |  |
| --- | --- |
| 1. Principal Investigator |  |
| 2. Department |  |
| 3. Email |  |
| 4. Collaborators (name and institutional affiliation), if applicable |  |
| 5. Project Title |  |
| 6. Grand Challenge | Quantum Computation  Quantum Sensing  Quantum Communication  Other  (If more than one applies then indicate the primary area) |

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| 7. What question do you wish to answer as part of this exploratory study? (Note: the question may focus on the opportunity rather than the implementation, and need not be quantum) |
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| 8. What will be your approach? (please describe in no more than ½ page) |
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| 9. What will be the anticipated deliverable? (Note: at a minimum the deliverable should include an analysis and response to the question above) |
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**10. Highly Qualified Personnel**

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| --- | --- |
| HQP | |
| Name or TBD |  |
| Level | PhD Masters Undergraduate |
| Department |  |
| Role |  |
| Other Funding Sources (if applicable) |  |

|  |  |
| --- | --- |
| HQP | |
| Name or TBD |  |
| Level | PhD Masters Undergraduate |
| Department |  |
| Role |  |
| Other Funding Sources (if applicable) |  |

|  |  |
| --- | --- |
| HQP | |
| Name or TBD |  |
| Level | PhD Masters Undergraduate |
| Department |  |
| Role |  |
| Other Funding Sources (if applicable) |  |

**11. Budget (maximum budget is $15,000)**

|  |  |
| --- | --- |
| **Salaries, Benefits and Student Payments** | **6-mth budget** |
| (a) Master's Students |  |
| (b) Doctoral Students |  |
| (c) Undergraduate Students /Co-ops |  |
| **Total** |  |

**12. Budget Justification**

Provide justification for your budget.