

# A MULTI-NODE QUANTUM NETWORK WITH DEFECTS IN DIAMOND

Ph.D. proposal

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## INTRODUCTION

Test citation [1].

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## 1 RESEARCH GOALS

## 2 THE NV CENTRE AS A NETWORK NODE

## 3 GENUINE REMOTE MULTIPARTITE ENTANGLEMENT

## 4 LINK LAYER: A PROOF OF CONCEPT

## 5 ENTANGLEMENT TELEPORTATION

## 6 CHALLENGES AND RISKS

## 7 GRADUATE SCHOOL PROGRESS

## 8 PH.D. TIMELINE

## ACKNOWLEDGEMENTS

## REFERENCES

- [1] Peter C. Humphreys et al. "Deterministic delivery of remote entanglement on a quantum network". In: *Nature* 558.7709 (June 2018), pp. 268–273. DOI: 10.1038/s41586-018-0200-5.