



Professional Bachelor Applied Information
Science



UAVs autonomously navigating
dynamic environments

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Acknowledgements

Abstract

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1 About the company

2 Section

2.1 Subsection

2.1.1 Subsubsection

II Research topic

1 How is a UAV able to orient itself in an unknown environment?

1.1 How is a UAV able to observe its environment?

1.1.1 Which sensors are eligible for a UAV to observe an environment?

1.2 How is a UAV able to map its environment and its location in this mapped environment?

2 How can a UAV find an executable path from its location to a goal?

2.1 How can a UAV determine what an executable path is?

3 How is the UAV able to execute a path?

How can UAVs navigate autonomously through dynamic environments?

- How can a UAV orient itself in an unknown environment?
 - How is a UAV able to observe its environment?
 - * Which sensors are eligible for a UAV to observe an environment?
 - How is a UAV able to map its environment and its location in this mapped environment?
- How can a UAV find an executable path from its location to a goal?
 - How can a UAV determine what an executable path is?
- How is the UAV able to execute a path?

Conclusion

Bibliographical references

Appendices

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