<System name>

<Thesis title>

<Student name>
Advisor: <Advisor name>

<Thesis start date> – <thesis end date>

Motivation: Research context

- The deployment of services on the Cloud, the current options seem to be:
    - Dedicated Virtual Machines
    - Containers
- VM's introduce significant overhead with good isolation
- Containers partially reduce overhead with partial isolation
    - significant increase in attack surface
    - potential host infection and it's running containers
- Unikernels can be a future solution
    - as low-resource as needed
    - high level of isolation
- Issues:
    - non-trivial development
    - weak and limited tooling
    - limited adoption, immature ecosystem
    - integration with existing applications and software

Proposal

- develop tooling for an example Unikernel (Unikraft)

¹ Footnotes for references, if any