



# Control theory and Sensor fusion: Real world applications

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# Summary

I Intro

II Technologies

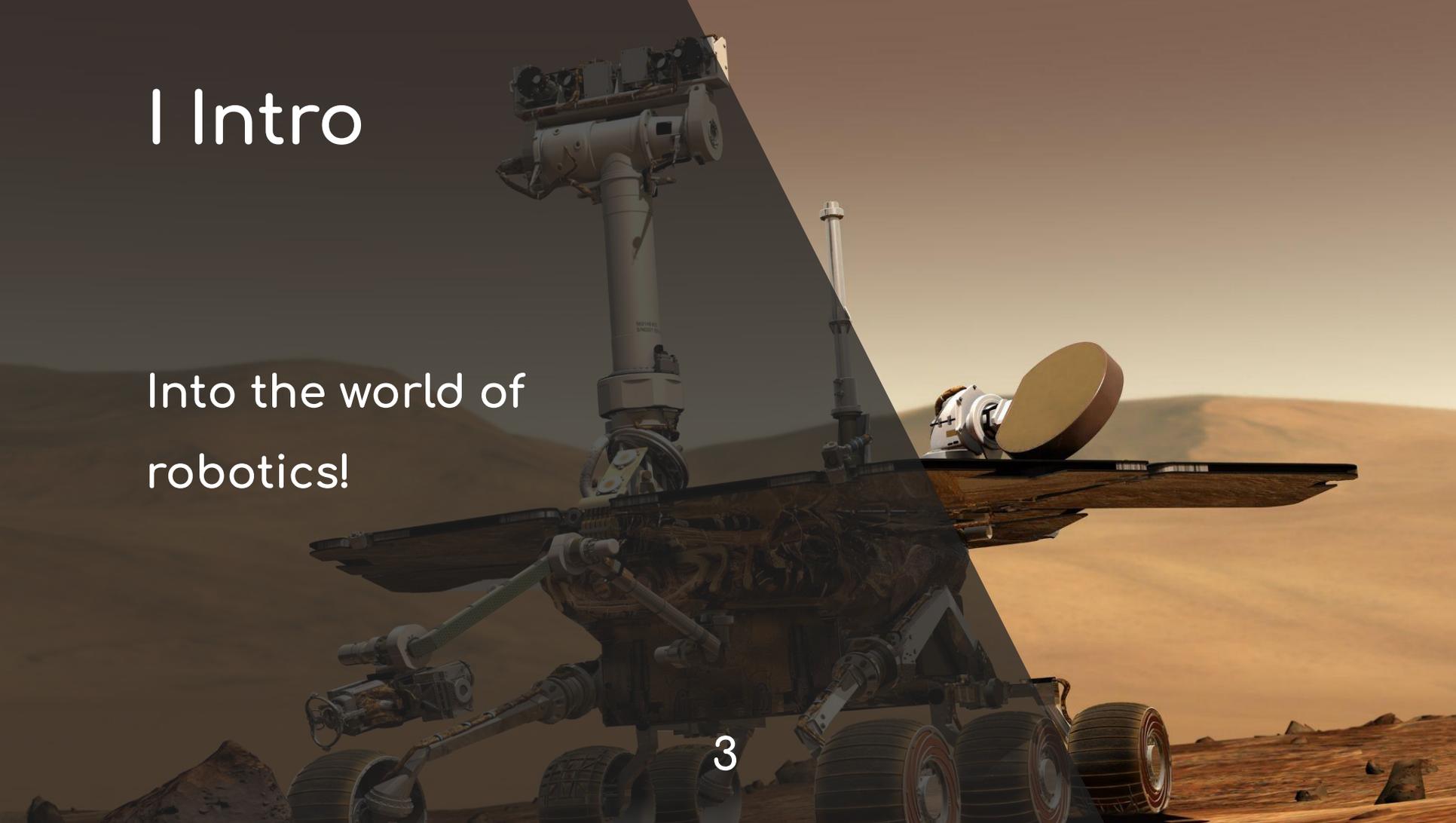
III Personal experience

IV Real world applications

V Conclusion

# I Intro

Into the world of  
robotics!



# II Technologies

The dependency of control theory on sensor fusion.

# III Personal experience

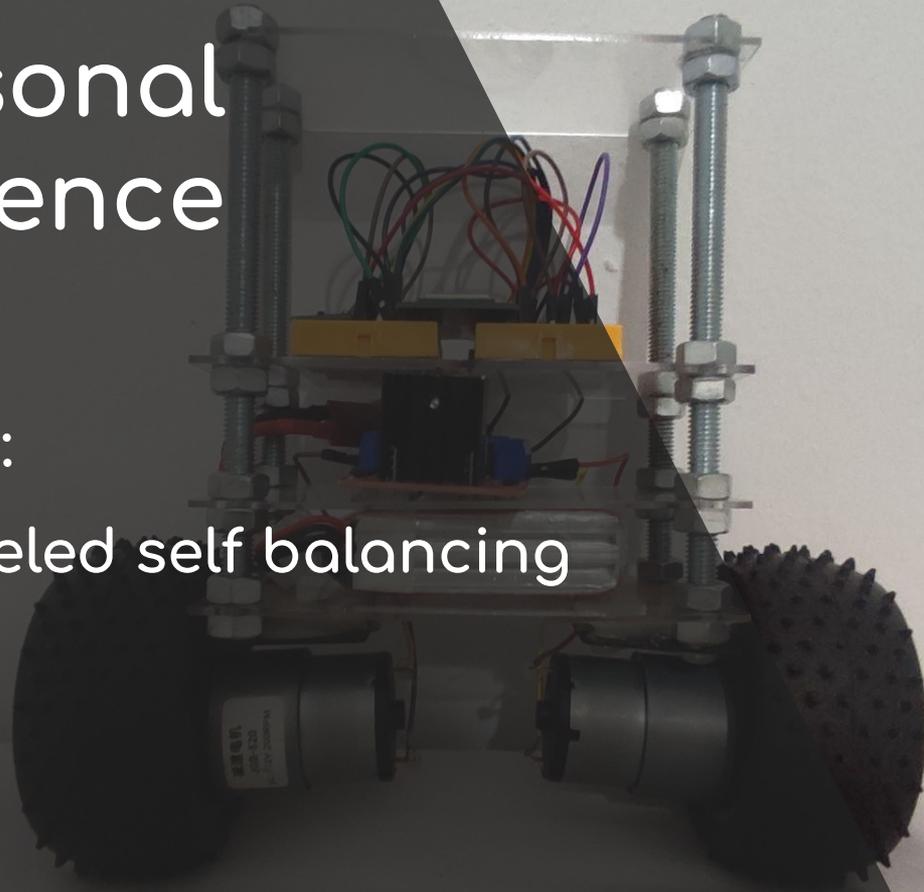
My intro to robotics:  
Line follower robots and  
competitions



# III Personal experience

SteadyBot:

A two-wheeled self balancing  
robot



# III Personal experience

ezQuadcopter:  
A drone with it's own  
transmitter

# IV Real world applications

## Advanced projects:

- Space rockets
- AI-based humanoid robots
- Mars rovers
- Self-driven cars

and many more ...



# IV Real world applications

What can we do in Tunisia?

# V Conclusion

- Sensor fusion and control theory are widely used in autonomous robots.
- We can work on interesting and innovative projects in Tunisia.
- Drones are cool.

Thanks for  
your attention!