



# Adaptive Beamforming for future ITS

A neural network approach to antenna beam steering for mmWave Systems

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Clifford Beta

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- multi-gigabit-per second communication

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- very low latency

- Autonomous driving



- Autonomous driving
- Immersive gaming



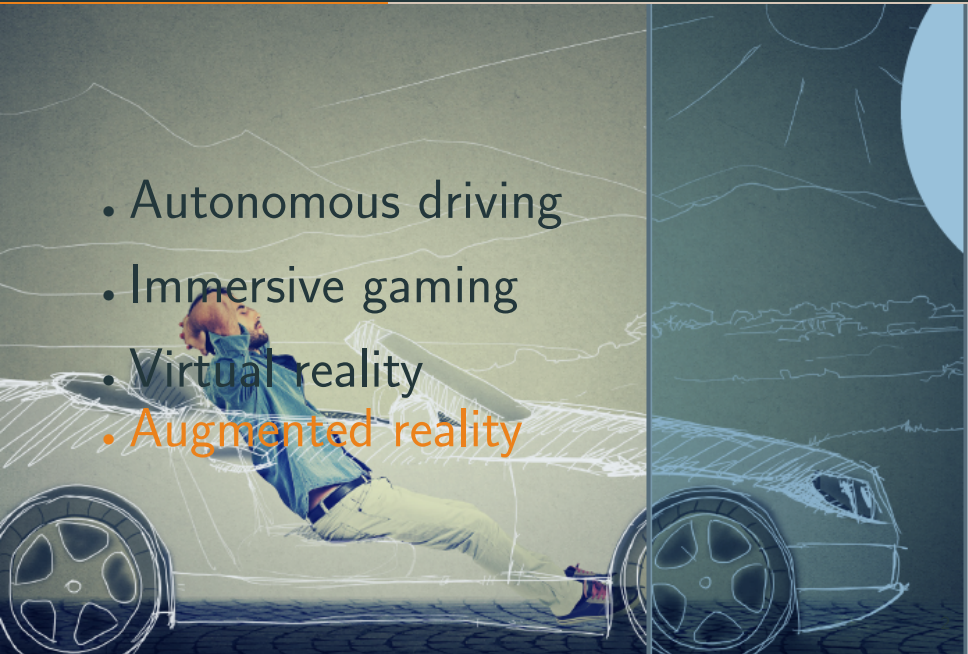
# Applications

- Autonomous driving
- Immersive gaming
- Virtual reality



# Applications

- Autonomous driving
- Immersive gaming
- Virtual reality
- **Augmented reality**





Increased vehicular mobility

Need for constant beam  
realignment.





Sections group slides of the same topic

```
\section{Elements}
```

for which **metropolis** provides a nice progress indicator ...

# Titleformats

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**metropolis** supports 4 different titleformats:

- Regular
- SMALLCAPS
- ALLSMALLCAPS
- ALLCAPS

They can either be set at once for every title type or individually.

**Questions?**

# Backup slides

Sometimes, it is useful to add slides at the end of your presentation to refer to during audience questions.

The best way to do this is to include the `appendixnumberbeamer` package in your preamble and call `\appendix` before your backup slides.

**metropolis** will automatically turn off slide numbering and progress bars for slides in the appendix.

