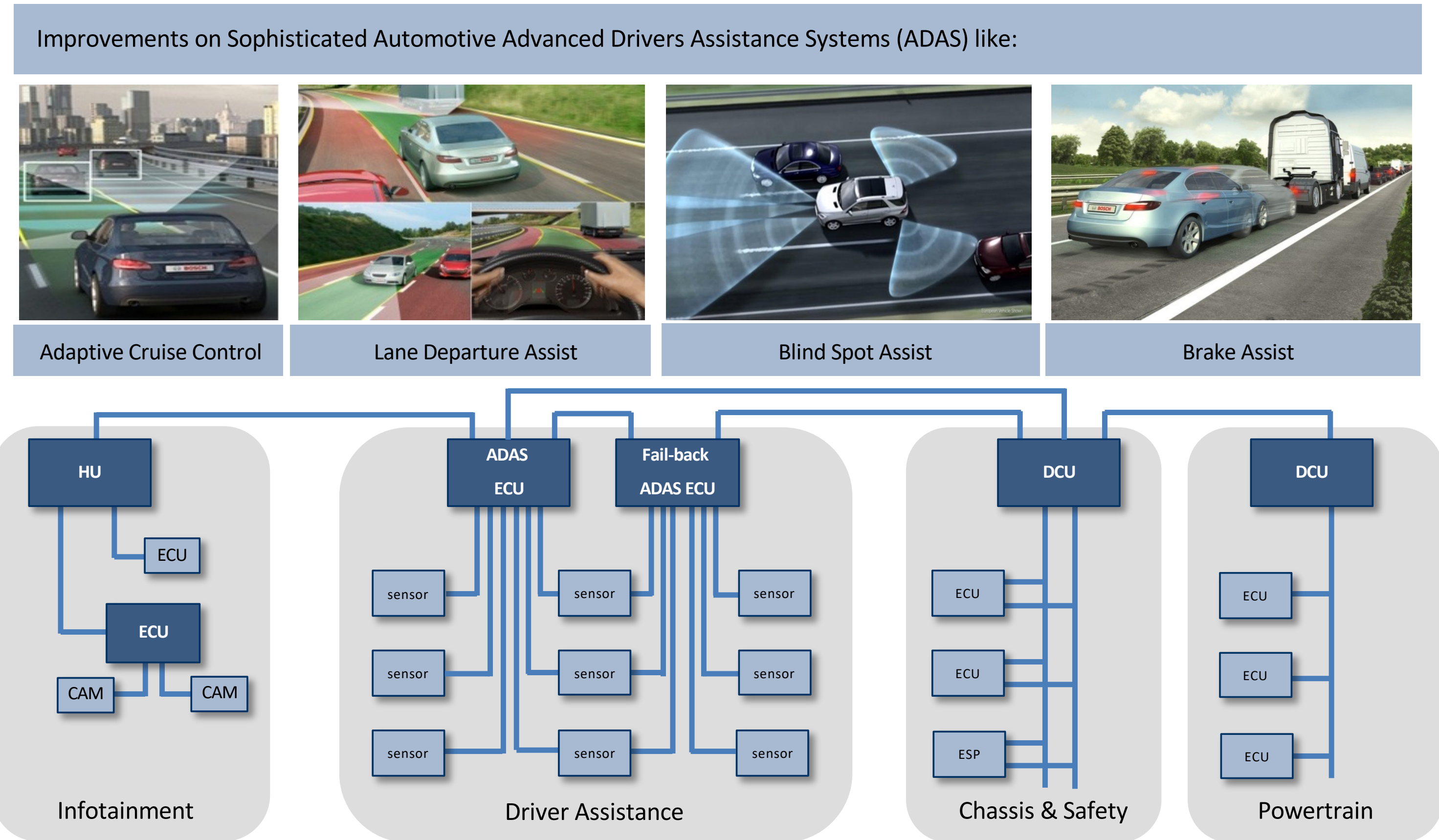


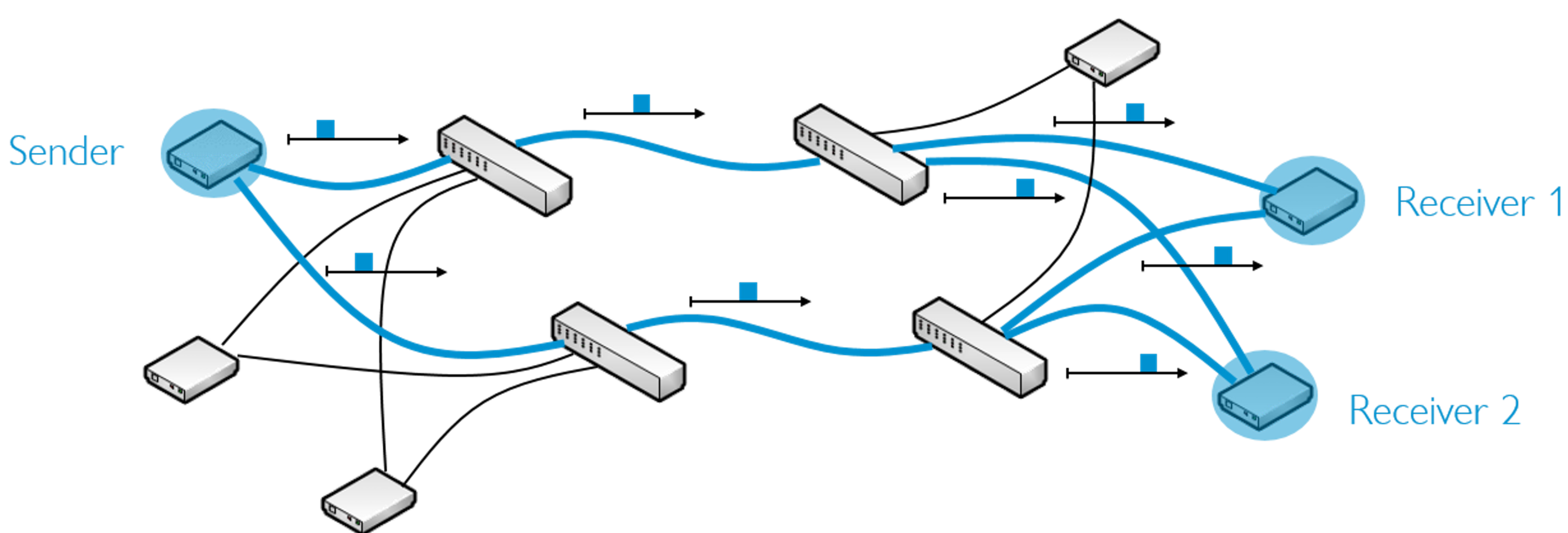
# Software tools for network visualization, analysis and configuration

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## Time-Sensitive Networking (TSN)

TSN is an IEEE communication standard that ensures reliable, low-latency communication for critical systems across several industries, such as automotive, healthcare, industrial automation, and 5G services. TSN is a switched network.



## We develop open-source software tools for TSN

- Network visualization: graphics projects
- Traffic analysis: math-related projects
- Network configuration: optimization projects
- See an example project on GitHub: <https://github.com/nreusch/TSNConf>

## Skills wanted

- Algorithms and data structures
- Software engineering
- Python programming
- Networking knowledge not needed

We want to experiment with GenAI for coding  
We'll pay your licenses during the thesis project

Check out  
project ideas

