

ARCAR

Florin-Timotei Ghiurău
Volvo Cars
[fghiurau@volvocars.com]

Mehmet Aydın Baytaş
Chalmers University of Technology
[baytas@chalmers.se]

Casper Wickman
Volvo Cars
[casper.wickman@volvocars.com]

ARCAR is a proof-of-concept headset-based mixed reality (XR) experience for use by a driver in full control of a moving vehicle.

The functional concept has been implemented on a video pass-through XR headset and tested at conventional driving speeds.

Owing to the high performance components used in our implementation, common problems like motion sickness are minimized.

On-Road Driving in Mixed Reality by Volvo Cars

