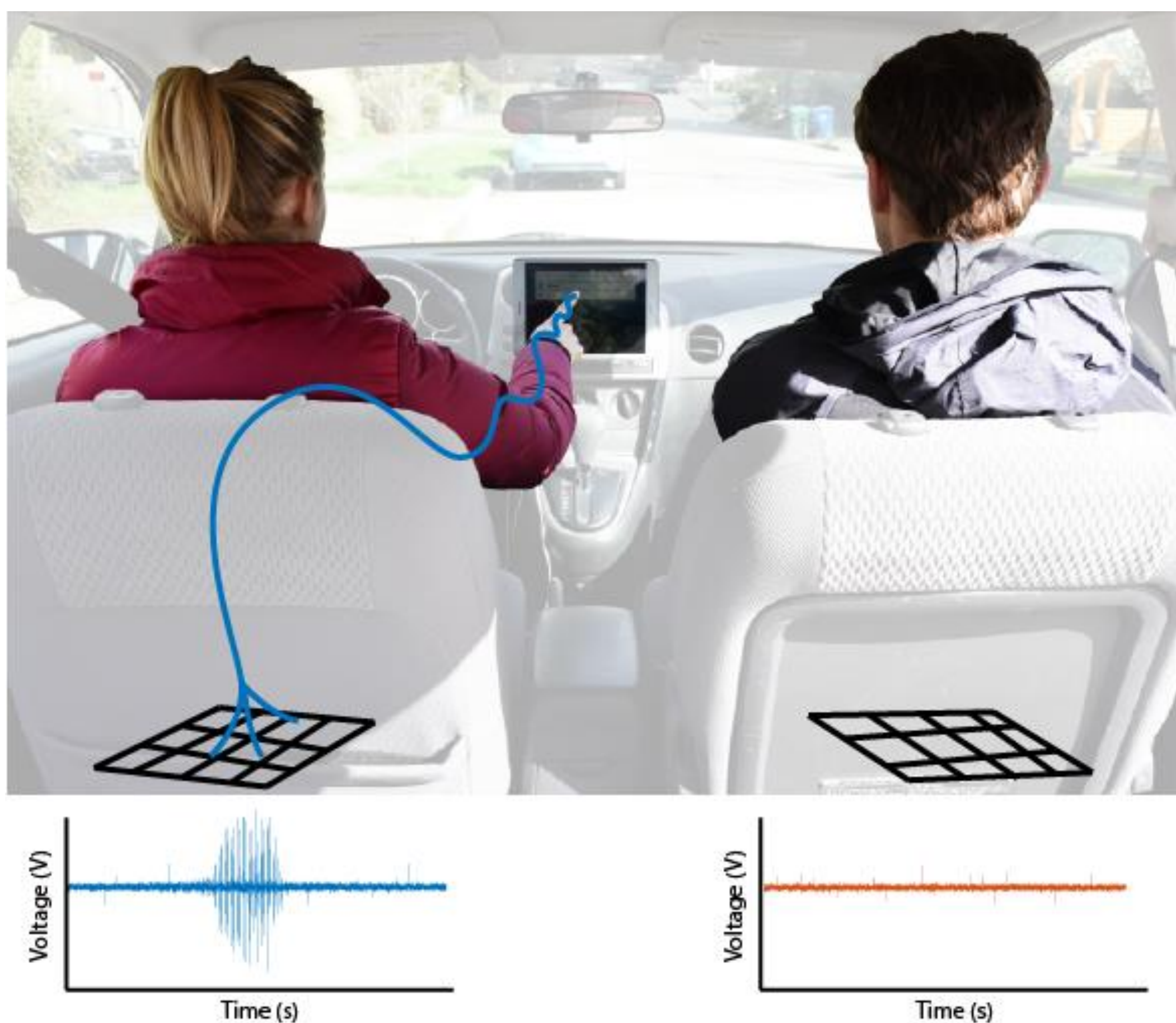


Carpacio

Repurposing Capacitive Sensors to Distinguish Driver and Passenger Touches on In-Vehicle Screens

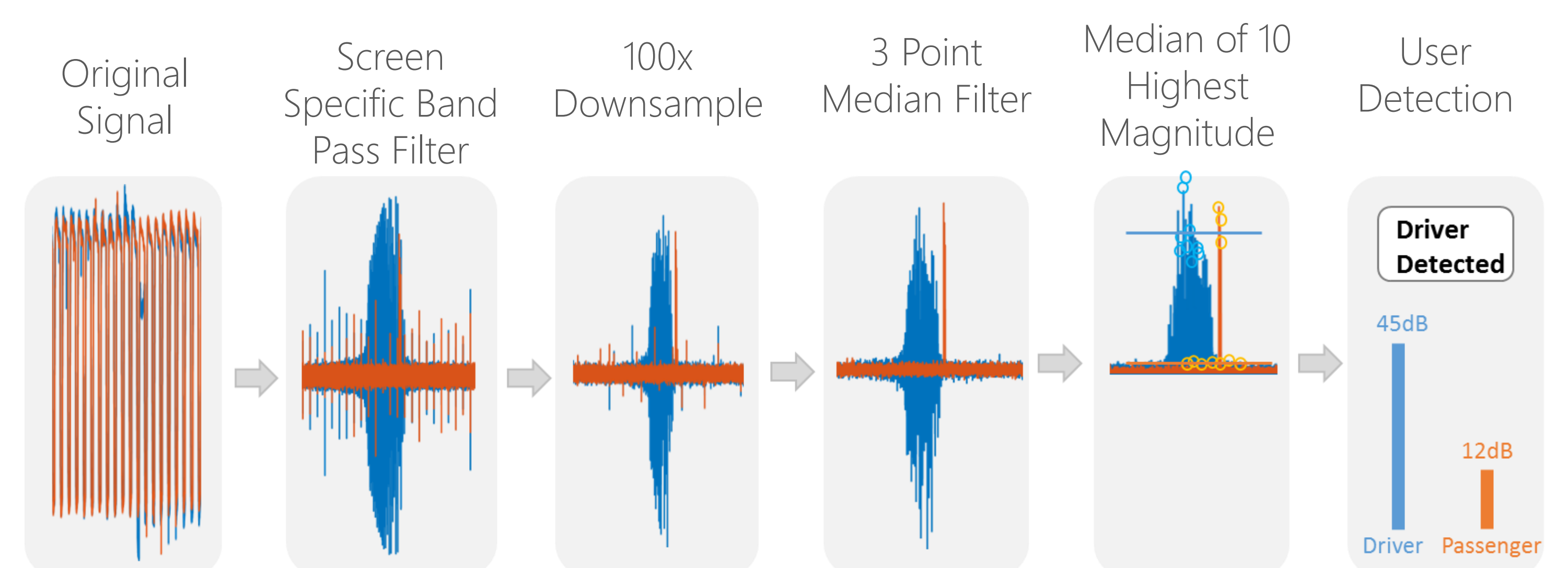
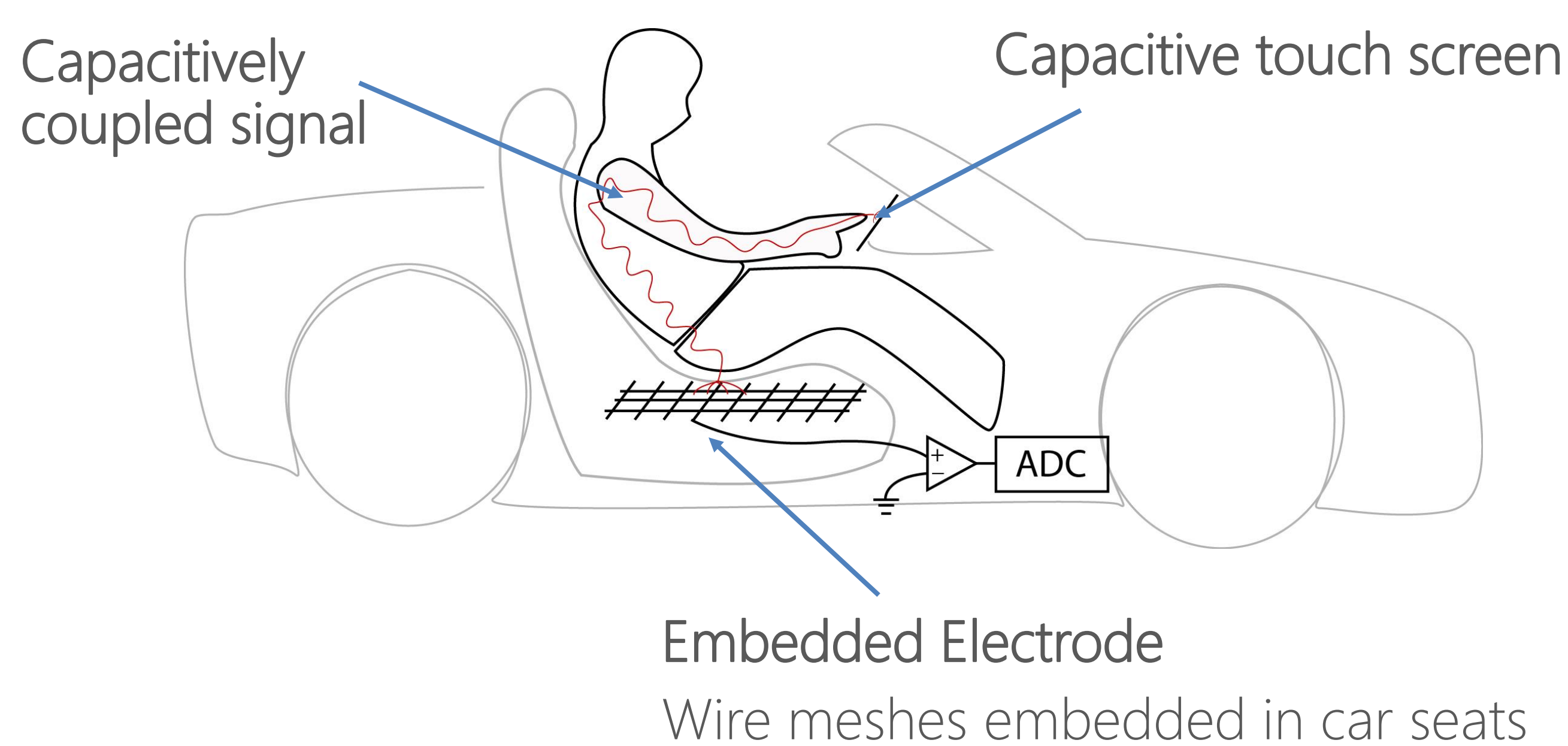


Carpacio Enables

Novel in-vehicle interaction
 Conditional user interface
 Vehicle touch analytics

Phone usage statistics
 Driver distraction metrics
 Manufacturer integration

Carpacio System



Evaluation

Built-in Touch Screen	98.9% (1187/1200)
Capacitive Touch Controller	99.8% (399/400)
Mobile Device	99.8% (998/1000)
Average	99.4% (2584/2600)

Cars



Mobile Device

