

Automatically Identifying and Providing Bespoke Mobility for Intellectually Impaired People

 28 September 2021, 15:00 - 15:30
(Greenwich Standard Time)

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LIVE SESSION

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For the first time, self-mobility will be brought to people previously considered too intellectually impaired to control equipment. Types of impairment have become more complex and shifted from mostly physical to mostly intellectual, or intellectual and physical. The shift in impairment requires new systems that can safely intervene.

New systems will automatically detect and identify users. AI will predict user patterns and assess user ability to drive, then blend user signals with intelligent sensors and environment monitoring to provide safe mobility. Contactless sensing will detect sound and dynamic movement of body-parts and/or brain activity, which will be combined with smart collision avoidance to allow users to move themselves safely.

Systems will automatically adjust themselves to match user functionality and capabilities. Many users can then share mobility systems.

Ability and performance will be automatically assessed during mobility sessions and saved. Next time a user is identified, systems will automatically adjust themselves to them. Ability, tiredness, and recent driving performance will be considered and systems will compensate for them.

SPEAKERS



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[TERMS AND CONDITIONS](#)

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