Drowsiness monitoring: A matter of life & death!

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Biomedica, 19 April 2012
Frightening situation!

• 20-30% of road accidents are due to drowsiness!
• 6-11% of population suffer from Excessive Daytime Sleepiness!

What cues do drowsiness monitoring systems use?

- State of the driver
- Behavior of the driver
- Behavior of the vehicle
What is the best approach?

- State of the driver
- Behavior of the driver (crossed out)
- Behavior of the vehicle (crossed out)
Our solution

Acquisition → Processing
How to validate?

Polysomnographic signals = "Gold standard"
Bottom line

• University of Liège is active in drowsiness research

• Opportunities for joint projects
DRIVE HOME SAFELY!

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Acknowledgments

Financial support: Région Wallonne
Test lab: Sleep Laboratory (CETES), CHU of Liège
Driving simulator: IFSTTAR