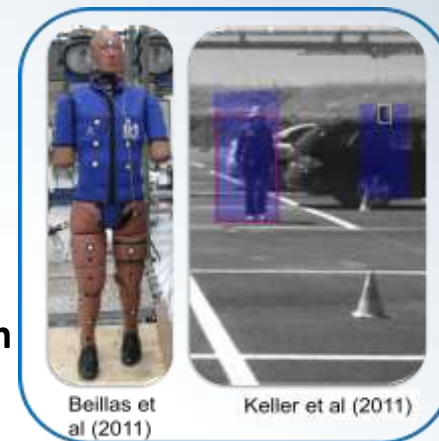


Véhicules automatisés et accidents piétons : aide au choix de stratégies de protection

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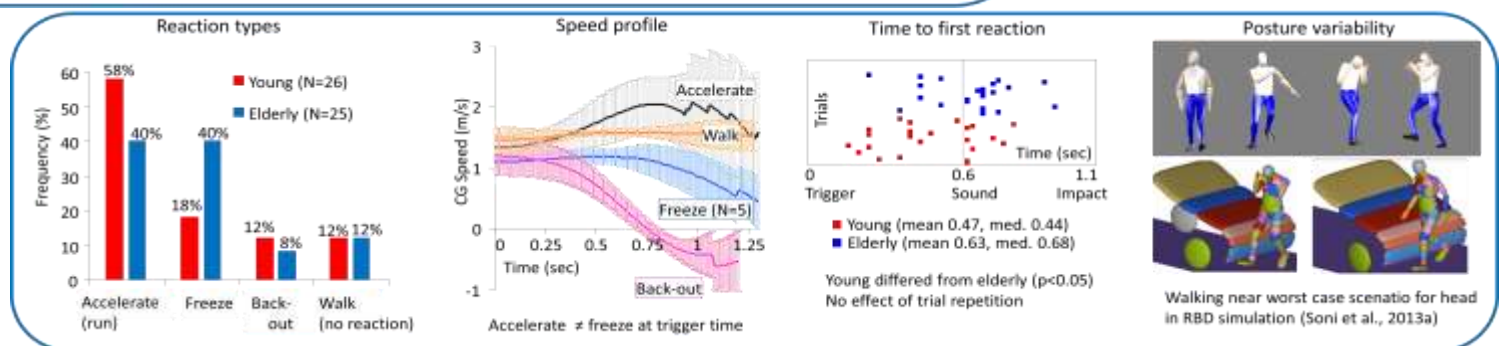
Contexte et objectifs

- Automated vehicles in urban environments → more interactions with pedestrians or cyclists.
- ✗ Problem : reactions can affect the efficiency of passive safety measures or lead to false positive / suboptimal strategies in active safety (e.g. steering: which side?)
- ⇒ Objectives: observe and quantify the reaction (e.g. reaction type & time, postures) of young and elderly pedestrians in an immediate emergency situation (pre-crash)



Innovation

- A dataset of young and elderly reaction (data available)



Application et perspectives

- Possible design of new type of protection strategies (e.g. how to influence the pedestrian reaction)
- Improve the active safety measure by considering the pedestrian reaction
- Better cost / benefit assessment of these solutions