I’DGO TOO

What are the implications of the design, siting, laying and use of tactile paving

SURFACE Inclusive Design Research Centre
Centre for Rehabilitation and Human Performance Research
The University of Salford

INCLUSIVE DESIGN FOR GETTING OUTDOORS

Objectives

To examine how blister and tactile paving is designed, sited and laid in practice.

To identify older people's perceptions and approaches to using tactile paving.

To quantify the relationship between tactile paving design parameters and the biomechanics of ambulation and risk of falling.


TO LET
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1st MEDIA
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INSTORE NOW
DVD's & VIDEOS
STOCKPORT

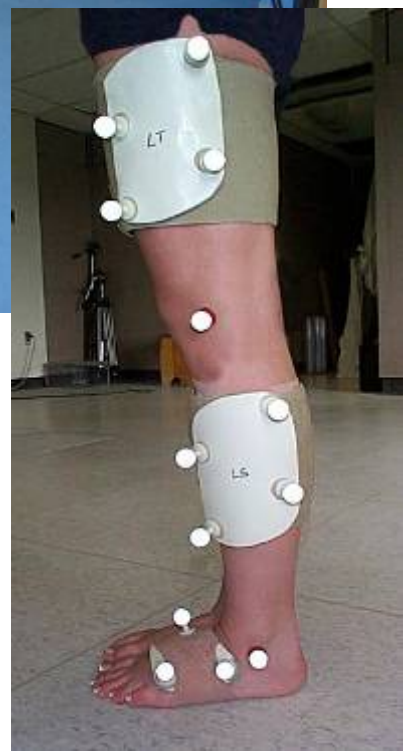

SLATER
MENSWEAR

Motion capturing system

- tracks position of reflective markers placed on e.g. bony landmarks
- allows for calculation of joint angles, sway, foot placement

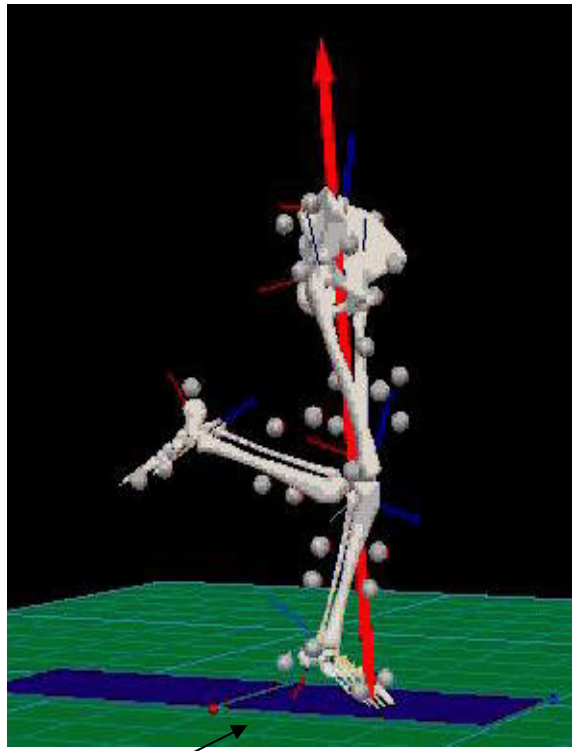
Force Plate

- Ground reaction forces & moments
- Center of pressure



Set Up

- Subject with reflective markers



Model of human gait based on motion capturing

Effect of tactile paving on biomechanical parameters associated with falls, fear of falls and balance