



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.

CKAYS

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LITTA







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14 WILLIAMSON STREET, LIVERPOOL

Paintwork & Rebuilt
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Sunday 22nd
Monday 23rd
Tuesday 24th
Wednesday 25th
Thursday 26th
Friday 27th
Saturday 28th
Sunday 29th



Motion capturing system

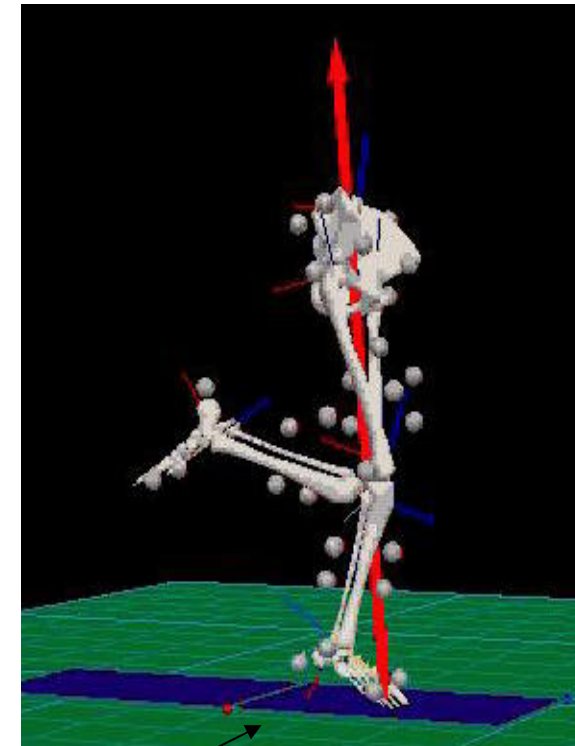
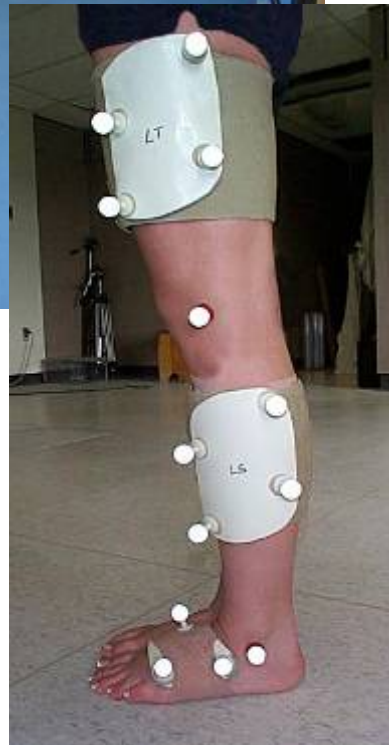
- tracks position of reflective markers placed on e.g. bony landmarks
- allows for calculation of joint angles, sway, foot placement

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

