

Re-identifying people across multiple cameras

Saurav Sthapit, Prof. John Thompson, Dr. James R. Hopgood, Dr. Neil M. Robertson (HWU)

Person re-identification refers to associating people across camera surveillance and security because doing it manually is not only **tedi**ous and costly but most often too late. Re-identifying people on a distributed system has numerous benefits such as:

- . Widening the search for targets and identifying them.



Colour Region (MSCR) and Textures

• Keep It Simple and Straightforward MEtric (KISSME)

Supervised method

Uses Colour Histograms and Textures

• Unsupervised Saliency Matching

Uses Colour Histograms and Scale

Invariant Feature Transform (SIFT) features.

Compares visual similarity and salience

scores.

ferent strategies based on our priorities such as minimizing the **delay** or maximising the **network lifetime** etc. This will help us in developing algorithms which can coordinate with neighbours better.

Contact Information

Saurav Sthapit

s.sthapit@ed.ac.uk



