

0.5 REF (2 Outputs + 100 words)

Amr Ahmed

2. [Compact signature-based compressed video matching using dominant color profiles \(DCP\)](#)

Bekhet, Saddam and **Ahmed, Amr** (2014) [Compact signature-based compressed video matching using dominant color profiles \(DCP\)](#). In: International Conference on Pattern Recognition (**ICPR**), 24-28 August 2014, Stockholm.

- <23> ICPR(14% acceptance). Shift towards generic signature-based approach, especially in the challenging area of visual similarity, (vs exact/copy/near-duplicate detection). Most previous work is based either on object detection, affecting generality and affected by objects variations, or using exhaustive features (e.g. dense trajectories) and highly affected by the variable lengths of videos being matched. Help achieving difficult balance between computational complexity and accuracy of the less-restricted task of visual similarity. Provided the foundation for work currently under review in 3 prestigious journals/transactions. Builds on core investigation, awarded the “Best Student Paper Award” in WCE’13, <http://eprints.lincoln.ac.uk/12680/>.