

## عنوان مقاله:

A New Model for Person Reidentification Using Deep CNN and Autoencoders

## محل انتشار:

فصلنامه انرژی و محیط زیست ایران (ایرانیکا), دوره 14, شماره 4 (سال: 1402)

تعداد صفحات اصل مقاله: 7

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## خلاصه مقاله:

Person re-identification (re-id) is one of the most critical and challenging topics in image processing and artificial intelligence. In general, person re-identification means that a person seen in the field of view of one camera can be found and tracked by other non-overlapped cameras. Low-resolution frames, high occlusion in crowded scene, and few samples for training supervised models make re-id challenging. This paper proposes a new model for person re-identification to overcome the noisy frames and extract robust features from each frame. To this end, a noise-aware system is implemented by training an auto-encoder on artificially damaged frames to overcome noise and occlusion. A model for person re-identification is implemented based on deep convolutional neural networks. Experimental results on two actual databases, CUHK01 and CUHK03, demonstrate that the proposed method performs better than state-of-the-art methods.

## کلمات کلیدی:

auto-encoder, Deep Learning, Image Hashing, person re-identification

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1627522>

