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PSI: Patch-based Script Identification using Non-Negative Matrix Factorization

Ehsan Arabnejad, Reza Farrahi Moghaddam, Mohamed Cheriet

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**Highlights**

- A novel method for script identification of ancient manuscript is proposed.
- Image patches are selected and extracted as lowest level of information. This level of information allows for robust representation against noise and at the same time captures local properties of objects.
- Non-Negative Matrix factorization is used for learning of features that perform better than hand designed features.
- The proposed method is versatile and can be applied on different level of layouts.

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