

STELLINGEN  
behorende bij het proefschrift  
**Statistical Pattern Recognition for Automatic  
Writer Identification and Verification**

van  
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1. The goal in handwriting recognition is to obtain invariance and generalization. For writer identification, one strives for quite the opposite with the aim to maximally expose the specificity of individual handwriting style for writer discrimination.

*This thesis, Chapter 1*

2. In our writer identification methods, the computer is completely unaware of what has been written in the samples.

*This thesis, Chapter 1*

3. Localized angular joint probability distributions are very effective features in capturing handwriting individuality.

*This thesis, Chapter 3*

4. The central idea of the "hinge" feature is to consider, not one, but two edge fragments emerging from a common pixel and then compute the joint probability distribution of the orientations of the two fragments.

*This thesis, Chapter 2*

5. Despite not being complete characters, the graphemes generated by the heuristic over-segmentation method are nevertheless effectively applicable for writer identification.

*This thesis, Chapter 4*

6. Combining texture-level and allograph-level features yields very high writer identification and verification performance, with usable rates for datasets containing  $10^3$  writers.

*This thesis, Chapter 5*

7. The writer identification techniques proposed in this thesis have possible impact in forensic science.

*This thesis, Chapter 6*

8. No human investigation can be called real science if it cannot be demonstrated mathematically.

*Leonardo da Vinci*

9. Without C we only have Obol, Pasal and BASI.

*Unattributed citation*

10. Man starts over again everyday, in spite of all he knows, against all he knows.

*Emil Cioran*