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**THESIS TITLE**  
APDIO 2021 DOCTORAL DISSERTATION AWARD APPLICATION FORM

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Thesis Defense date ... in the University of ...

PhD Program: ... / Area of specialization:...

### ABSTRACT

**Note: You can fill this form in English or Portuguese language.**

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**Keywords** First keyword · Second keyword · More

## 1 What is the relevance of the key idea that binds the thesis together?

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## 2 How is prior knowledge improved in this work?

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## 3 How can the results be useful, important and move the field forward?

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## 4 List of publications

**Note: please consider a maximum of 5 publications that resulted from the thesis research work.**

George Kour and Raid Saabne. Real-time segmentation of on-line handwritten arabic script. In *Frontiers in Handwriting Recognition (ICFHR), 2014 14th International Conference on*, pages 417–422. IEEE, 2014a.

George Kour and Raid Saabne. Fast classification of handwritten on-line arabic characters. In *Soft Computing and Pattern Recognition (SoCPaR), 2014 6th International Conference of*, pages 312–318. IEEE, 2014b. doi:10.1109/SOCPAR.2014.7008025.

Guy Hadash, Einat Kermary, Boaz Carmeli, Ofer Lavi, George Kour, and Alon Jacovi. Estimate and replace: A novel approach to integrating deep neural networks with existing applications. *arXiv preprint arXiv:1804.09028*, 2018.