

Professional Affiliations

IEEE Society Senior Member
Signal Processing Society
Communications Society
Engineering Education Society

Funded Research Projects

Automatic Text Recognition: A Need In Arabization
EE/Autotext/232

Publications

Journals and Book Chapters:

- [1] S. Chinveeraphan, **A. B. C. Zidouri**, and M. Sato, "Fast Algorithms for Minimum Covering Run Expression," *IEICE Trans. Inf. & Syst.*, Vol.E77-D, no. 3, pp. 317--325, March 1994.
- [2] **A. Zidouri**, S. Chinveeraphan, and M. Sato, "Classification of Compound Document Image Patterns by MCR Stroke Index," *IEICE Trans. Inf. & Syst.*, vol. E78-D, no.3, pp.290--294, March 1995
- [3] S. Chinveeraphan, **A. B. C. Zidouri**, and M. Sato, "Modified Minimum Covering Run Expression of Binary Document Images," *IEICE Trans. Inf. & Syst.*, vol. E78-D, no.4, pp.503--507, April, 1995
- [4] **A. Zidouri**, S. Chinveeraphan, and M. Sato, "Recognition of Machine Printed Arabic Characters and Numerals Based on MCR" *IEICE Trans. Inf. & Syst.*, vol. E78-D, no.12 pp. 1649--1655, Dec. 1995
- [5] **A. Zidouri**, K. Nako, R. Takamatsu, and M. Sato, "A New Character Segmentation Method for Handwritten Documents Based on Multi-scale Analysis", *IIEEJ Journal*, vol. 24, no. 3, pp. 216—223, March 1995. (In Japanese)
- [6] M. Sarfraz, **A. Zidouri** and N. Nawaz "On Offline Arabic Character Recognition", *Computer-Aided Intelligent Recognition Techniques and Applications*. Edited by M. Sarfraz © 2005 John Wiley & Sons, Ltd ISBN: 0-470-09414-1.
- [7] **A. Zidouri** "ORAN System: A Basis for an Arabic OCR" *The Arabian Journal for Science and Engineering*, KFUPM, Dhahran, Saudi Arabia, (to appear)

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- [10] **A. Zidouri**, S. Chinveeraphan, and M. Sato, "A Stroke Index For Document Image Analysis Based on The MCR Expression Method," in Proc.MVA'92 IAPR Workshop on Machine Vision Applications, (Tokyo), pp.503--506, Dec.7--9 1992
- [11] **A. Zidouri**, S. Chinveeraphan, and M. Sato, "Classification of Compound Document Image Patterns by MCR Stroke Index," in Proc. ICDAR'93 2nd Int. Conf. Document Analysis and Recognition, (Tsukuba), pp.753--756, Oct.20--22 1993
- [12] **A. Zidouri**, S. Chinveeraphan, and M. Sato, "Arabic Document Image Understanding by MCR expression Method," in Proc. ICSS'94 Int. Conf. Signals and Systems, (Algiers), pp.23--27, Sept.24--26 1994
- [13] **A. Zidouri**, S. Chinveeraphan, and M. Sato, "Structural Features by MCR Expression Applied to Printed Arabic Character Recognition" in 8th Int. Conf. on Image Analysis and Processing}, (San Remo Italy), pp.557--562, Sept. 13-15 1995
- [14] S. Chinveeraphan, **A. Zidouri**, and M. Sato, "Stroke Representation by Modified MCR Expression as a Structural Feature for Recognition," in Proc. IWFHR--IV\@} 4th Int. Workshop on Frontiers of Handwriting Recognition, (Taipei), pp.11--19, Dec.7--9 1994
- [15] S. Chinveeraphan, **A. Zidouri**, and M. Sato, "Stroke Extraction as a Basis for Structural Analysis of Document Images by Modified MCR Expression," in Proc. MVA'94 IAPR Workshop on Machine Vision Applications, (Tokyo), pp.135--138, Dec.13--15 1994
- [16] S. Chinveeraphan, **A. B. C. Zidouri**, and M. Sato, "Fast Algorithms for MCR Expression," PRU 93--135, IEICE Technical Report, Feb. 1993
- [17] **A. Zidouri**, "A Structural Description of Binary Document Images: Application for Arabic Character Recognition" Proceedings CISST'2001, Las Vegas Nevada, June 25-28, 2001
- [18] **A. Zidouri** and M. Sarfraz, "On Optical Character Recognition Of Arabic Text", The 6th Saudi Engineering Conference, KFUPM, Dhahran, December 2002, Vol. 4. pp.109-118.
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- [20] **A. Zidouri**, "Powerful Tool for Arabic Document Understanding", The First GCC Industrial Electrical & Electronics Conference. Manama, Bahrain, May 2003,
- [21] **A. Zidouri** and M. Sarfraz, Progress Report for Research Project EE/Autotext/232 "Automatic Text Recognition: A Need in Arabization" March 2003
- [22] **A. Zidouri**, M. Deriche, *M. Al-Otaibi*, *M. Al-Shabrani*, *M. Al-Mutairi*, *T. Al-Maleki*, S. Al-Ghunaim, A. Al-Nutaiqi, H. Al-Issa, F. Al-Anazi, "Design of an LED-Based Message Board" IEEE Saudi Arabian Section 10th Technical

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- [23] **A. Zidouri**, M. Sarfraz, S. N. Nawaz, and M. J. Ahmad, "PC Based Offline Arabic Text Recognition System", Seventh International Symposium on Signal Processing and its Applications, PARIS July 2003, France
- [28] **A. Zidouri** and M. Sarfraz, Progress Report #3 for Research Project EE/Autotext/232 "Automatic Text Recognition: A Need in Arabization" December 2003
- [24] M. Sarfraz, **A. Zidouri** and M. J. Ahmad, "License Plate recognition system" ICECS'2003, 10th IEEE International Conference on Electronics, Circuits and Systems 14-17 Dec. 2003 Sharjah, United Arab Emirates
- [25] M. Sarfraz, **A. Zidouri** and N. Nawaz "Offline Arabic Character Recognition System" ICECS'2003, 10th IEEE International Conference on Electronics, Circuits and Systems 14-17 Dec. 2003 Sharjah, United Arab Emirates
- [28] **A. Zidouri** and M. Sarfraz, Progress Report #4 for Research Project EE/Autotext/232 "Automatic Text Recognition: A Need in Arabization" June 2004
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- [27] **A. Zidouri**, "Stroke Index For Document Image Analysis" The second GCC Industrial Electrical & Electronics Conference., 23-25 Nov. 2004 Manama, Bahrain
- [28] **A. Zidouri** and M. Sarfraz, Progress Report #5 for Research Project EE/Autotext/232 "Automatic Text Recognition: A Need in Arabization" February 2005