

## REFERENCES

- [1] Samik Dutta, Arpan Das, Kaustav Barat, Himadri Roy, “Automatic characterization of fracture surfaces of AISI 304LN stainless steel using image texture analysis”, *Measurement* 45 (2012) 1140–1150, India, 2012.
- [2] Z. Wang, K. Wang, F. Yang, S. Pan, Y. Han, “Image Segmentation of Overlapping Leaves Based on Chan–Vese Model and Sobel Operator”, *Information Processing in Agriculture, China*, 2017.
- [3] Bernd Girod, “Edge Detection”, *Digital Image Processing*, Stanford university, 2013.
- [4] C. Saravanan, Ph.D., Assistant Professor, “Color Image to Grayscale Image Conversion”, *Second International Conference on Computer Engineering and Applications*, India, 2010.
- [5] Irwin Sobel, “An Isotropic 3 3 Image Gradient Operator”, 2015
- [6] Asra Aslam, Ekram Khan, M.M. Sufyan Beg, “Improved Edge Detection Algorithm for Brain Tumor Segmentation”, *Procedia Computer Science* 58 ( 2015 ) 430 – 437, India, 2015.
- [7] Samta Gupta, Susmita Ghosh Mazumdar, ” Sobel Edge Detection Algorithm”, *International Journal of Computer Science and Management Research Vol 2*, India, 2013.
- [8] Kusworo Adi, Sri Pujiyanto, Rahmat Gernowo, Adi Pamungkas, Ari Bawono Putranto, “ International Journal of Applied Engineering Research ISSN 0973-4562 Volume 9, Number 23 (2014) pp. 13917-13924, India, 2014
- [9] Nazma Nausheen, Ayan Seal, Pritee Khanna, Santanu Halder, “A FPGA based implementation of Sobel edge detection”, *Microprocessors and Microsystems* 56 (2018) 84–91, India, 2018.
- [10] Kanika Lakhani, Bhawna Minocha, Neeraj Gugnani, “Analyzing edge detection techniques for feature extraction in dental radiographs”, *Perspectives in Science* (2016) 8, 395—398, India, 2016

- [11] aban Öztürka, Bayram Akdemir, “ Comparison of Edge Detection Algorithms for Texture Analysis on Glass Production “, Procedia - Social and Behavioral Sciences 195 ( 2015 ) 2675 – 2682, Turkey, 2015
- [12] Guili XU, Zhengbing WANG, Yuehua CHENG, Yupeng TIAN, Chao ZHANG, “A man-made object detection algorithm based on contour complexity evaluation”, China, 2017
- [13] Marco Guerrieri, Giuseppe Parla, Clara Celauro, “ Digital image analysis technique for measuring railway track defects and ballast gradation”, Measurement 113 (2018) 137–147, Italy, 2107
- [14] <https://pemrogramanmatlab.com/2015/10/22/cara-mengukur-jarak-antara-dua-objek-dalam-citra/>
- [15] <https://pemrogramanmatlab.com/2016/07/09/jaringan-syaraf-tiruan-untuk-pengenalan-pola/>
- [16] <https://www.mathworks.com/discovery/image-analysis.html>
- [17] <http://www.tannerhelland.com/3643/grayscale-image-algorithm-vb6/>
- [18] Priyanto Hidayatullah, “Pengolahan Citra Digital Teori Dan Aplikasi Nyata”, Informatika Bandung, Indonesia, 2017

SWISS GERMAN UNIVERSITY