Abstract

Coins are frequently used in everyday life at various places like in banks, grocery stores, supermarkets, automated weighing machines, vending machines etc. So, there is a basic need to automate the counting and sorting of coins. For this machines need to recognize the coins very fast and accurately, as further transaction processing depends on this recognition. Three types of systems are available in the market: Mechanical method based systems, Electromagnetic method based systems and Image processing based systems. This paper presents an overview of available systems and techniques based on image processing to recognize ancient and modern coins.

References

- Fukumi M. and Omatu S., "Designing A Neural Network For Coin Recognition By A Genetic Algorithm," Proceedings of 1993 International Joint Conference on Neural
Image Processing based Systems and Techniques for the Recognition of Ancient and Modern Coins

- McNeill S., Schipper J., Sellers T. and Nechyba M. C., "Coin Recognition using Vector Quantization and Histogram Modeling", 2004 Florida Conference on Recent Advances in Robotics (FCRAR)
- L. J. P. van der Maaten, P. J. Boon, "COIN-O-MATIC: A fast system for reliable coin classification", MUSCLE CIS Coin Recognition Competition Workshop 2006
- Khashman A., Sekeroglu B. and Dimililer K., "Intelligent Coin Identification System", Proceedings of the IEEE International Symposium on Intelligent Control (ISIC&apos;06), Munich, Germany, 4-6 October 2006.

**Index Terms**

Computer Science
Pattern Recognition

**Keywords**

Coin Recognition  Image Processing  Modern Coins  Ancient Coins