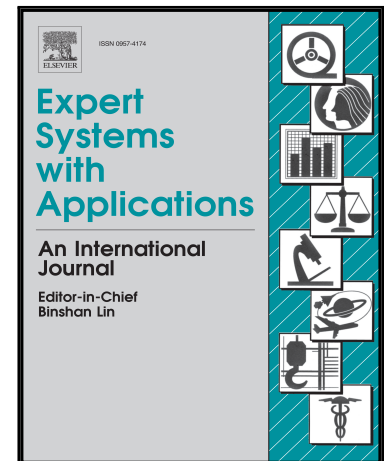


## Accepted Manuscript

ArchCam: Real Time Expert System for Suspicious Behaviour  
Detection in ATM Site

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**Highlights**

- An expert system, ArchCam was proposed for detecting suspicious behaviours in ATM sites
- A technique was proposed to detect squatting and climbing activity in front of ATM
- A technique was proposed to detect belt-shape objects within ATM sites (attempt to pull the ATM away)
- A prototype system consists of Tegra TX1 (with GPU) and other peripheral systems was built

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