

Laboratory safety warning system with intelligent event processing

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Abstract: In the context of increasing numbers and scale of operations in laboratories, ensuring the safety of personnel and assets is a critical issue. This topic focuses on building an intelligent safety warning system to manage risks in the laboratory. The objective of the research is to develop a multi-functional event processing solution, including recognition, analysis, and automatic response to potential hazardous situations. The approach involves combining theoretical research with experimentation to ensure the system's effectiveness. The expected outcome is an advanced laboratory safety solution that contributes to improving the working environment and minimizing risks in scientific activities.

Keywords: Safety warning system, Laboratory, Intelligent event processing