

## **SAFETY ANALYSIS OF WORK SPACES BY LOCATING MATERIALS**

### **IN BUILDING CONSTRUCTION SITES**

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#### **ABSTRACT**

A building construction site has many unsafe and dangerous factors such as an elevator pit, a slab opening for lifting forms and materials. Accidents happen unpredictably though warning and caution signs for the dangerous factors provide safe working environment to workers. The warning signs are likely to be hidden by stacked materials or temporary facilities on site. The workers cannot notice the signs when moving or working. This paper suggests a method to identify a problem that the workers can't see the unsafe factors, and to manage the problem in construction planning phases with a worker's view using a CAD software.

**KEYWORDS:** Construction Safety, Work Space, Stacked Material, Temporary Work