

EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRES

LITERATURE SURVEY

S.NO	Title	Author	Advantage	Disadvantage
1	Detect fire by smoke detection	Surapong Surit, Watchara Chatwiriya	Smoke alarms tend to be more reliable and faster at detecting a problem than their wireless counterparts	The system is essentially useless if the batteries aren't charged, since it won't work properly
2	Detect fire based on Wavelet Transform	R. Gonzalez	It being able to separate the fine details in a signal	Shift sensitivity, Poor directionality

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3	Fire detect using fire-flame detection	Dimitropoulos	Used to detect fire at early stage	High cost
4	Fire detection system using Neural network	Cheng	Detection information for temperature,CO Concentration	Amount of data, Black Box

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5	Fire and smoke detection without the use of sensors	Celik	Faster detect to possible fires	Limited range and don't have centralized monitoring
6	Infrared image processing for fire detection	Jorge Morgues, Ignacio Bosch, Luis vergara	Ability to take preventive action for parts that would normally fail under too high-or too low-temperature conditions	Image segmentation