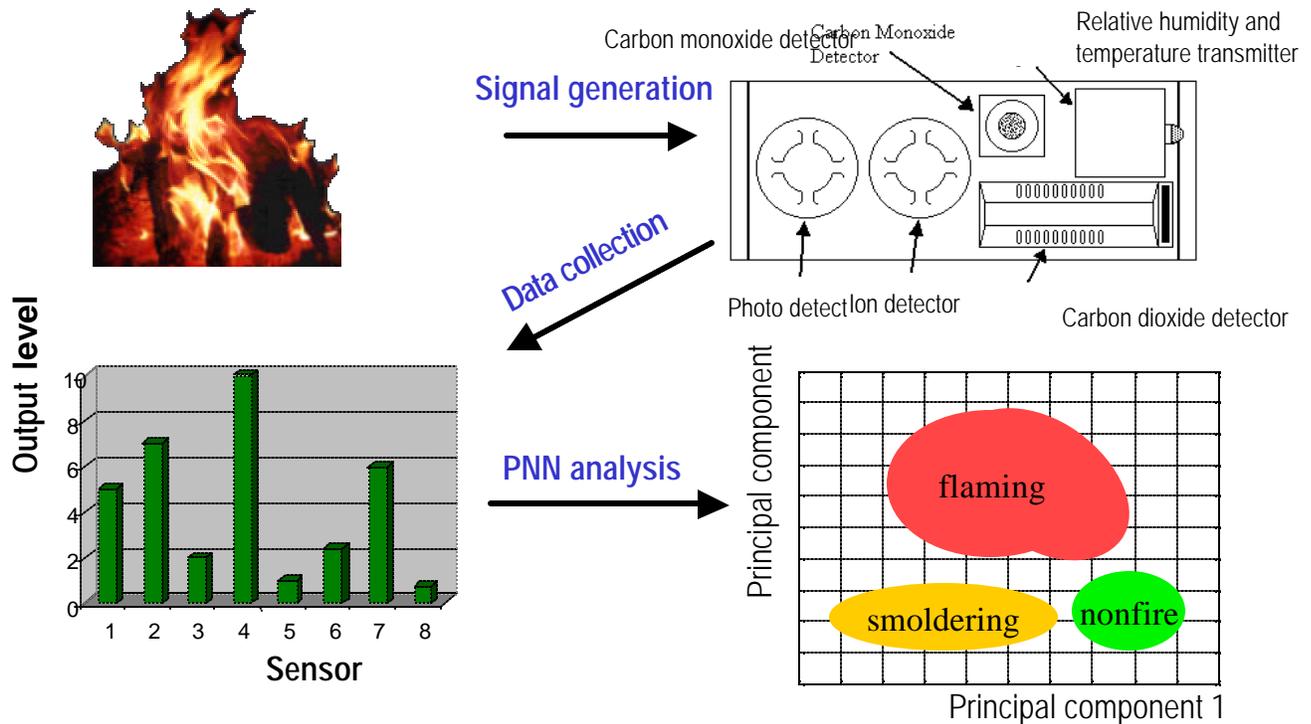


# METHOD FOR ANALYZING SIGNAL INPUTS USING PROBABILISTIC NEURAL NETWORKS



The Naval Research Laboratory has developed and patented an algorithm for analyzing signal inputs using probabilistic neural networks. Using an array of partially selective sensors allows for generating a "fingerprint" which is then applied to the neural network.

Features and advantages include:

- Rapid response time
- Fewer "false positives"
- Outlier rejection
- Training set optimization minimizes data set size and maximizes speed
- Operates on integrated processor or PC

Applications include :

- Fire detection
- Chemical detection
- Biological detection
- Unexploded ordnance detection

Licenses are available to companies with commercial interest.

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