

# Spectrum Sensing

Dr. Aly El-Osery

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Signal detection techniques are used to monitor spectrum either for more efficient spectrum management or for detection of malicious signals. There are different types of signals ranging from narrow band signals that are easy to detect to more complex signals that are low probability of detection and low probability of intercept signals.

Write a survey paper discussing different types of signals and cover various techniques for their detection. Address challenges based on signal type.

Your paper should include

- Abstract
- Introduction
- Signal classification
- Signal detection techniques
- Conclusion
- References

You need to use the [IEEE format for your paper](#). If you like to try Latex there are several environments you can install on your local machine or you can also use other free online environments such as [Sharelatex](#).