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**Abstract** This paper proposes a novel approach to cognitive radio systems...aaa

**Key words** Cognitive Radio

## 1. Introduction

### 1.1 Background

Cognitive radio (CR) is a technology that allows wireless devices to intelligently adapt their operation based on the surrounding environment [1].

## 2. Conclusion

In this paper, ...

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## References

- [1] S. Haykin, “Cognitive radio: brain-empowered wireless communications,” *IEEE Journal on Selected Areas in Communications*, vol. 23, no. 2, pp. 201–220, 2005.