Abstract

Cooperative communication is a multi-antenna technique for optimising or maximising the channel capacities of a given network with the help of user cooperation. The key idea in user cooperation is resource-sharing among multiple nodes in the network, with the willingness of sharing power and other network resources. This concept of multi-user MIMO (Multiple Input Multiple Output) can be applied in the field of medicine. Medical information have higher priority in communication networks. This survey paper analyses on the possibilities and difficulties of applying cooperative communication in biomedical field.

References

5. ArnabChakrabarti, Ashutosh Sabharwal, Behnaam Aazhang “COORDINATED COMMUNICATIONS: Fundamental Limits and Practical Implementation”
7. Qian (Clara) Li, Rose Qingyang, Yi Qian, Geng Wu, “Cooperative Communications for Wireless Network: Techniques and Applications in LTE-advanced Systems”

Index Terms

Computer Science
Biomedical
Keywords

Cooperative communication, Biomedical, healthcare, MIMO