Providing More Security to the Information With Minimum Key Value

S.SUGANTHI [1]   A. MALATHI [2]   D. RAJINI GIRINATH [3]

[1] PG Student, Department of Computer Science and Engineering
Anand Institute of Higher Technology, Chennai, Tamil Nadu, India

[2] Assistant Professor, Department of Computer Science and Engineering Anand Institute of Higher Technology, Chennai, Tamil Nadu, India

[3] Head of Department, Department of Computer Science and Engineering Anand Institute of Higher Technology, Chennai, Tamil Nadu, India

[1] suganthiselvam90@gmail.com
[2] malathiarunachalam83@gmail.com
[3] aiht.csehod@gmail.com

Abstract : The two way relay channel, in which two terminals are connected through a relay. The basic idea of two way relay channel schemes is to create a virtual direct link between two terminals can obtain channel estimates. Wireless fading channels need the direct wireless link between two terminals for generating key attributes. The proposed model consists of the key generation in the two-way relay channel that two terminals involved do not need to obtain correlated estimates. The relay first establishes a pair-wise key by using channel link. Higher rated key is generated by using an effective key generation scheme, so that the active attackers do not know any information and it helps in achieving a substantially larger key rate than that of a direct channel mimic approach. The two way relay channel need any correlation between two terminals. There is no need of any correlations between nodes in proposed scheme. Active attacker strategy that minimizes the key rate of the proposed scheme and have established the maximal attacker's power under which our scheme can still achieve a non-zero key rate.