

## Detecting Black Hole Attacks in Body Sensor Networks

**Authors :** Sara Alshehri, Bayan Alenzi, Atheer Alshehri, Samia Chelloug, Zainab Almry, Hussah Albugmai

**Abstract :** This paper concerns body area networks sensor that collect signals around a human body. The black hole attacks are the main security challenging problem because the data traffic can be dropped at any node. The focus of our proposed solution is to efficiently route data packets while detecting black hole nodes.

**Keywords :** body sensor networks, security, black hole, routing, broadcasting, OMNeT++

**Conference Title :** ICSC 2015 : International Conference on Security and Cryptography

**Conference Location :** Jeddah, Saudi Arabia

**Conference Dates :** January 26-27, 2015