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Integrating ZigBee modem into android platform (Conference Paper)

Rahman, A.N.A.^a ✉, Habaebi, M.H.^a ✉, Ahmad, M.M.^a ✉, Khan, S.^a ✉, Ismail, M.^b ✉

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Abstract

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This paper integrates Zig Bee technology, which falls under IEEE 802.15.4 standard, into the mobile peer-to-peer (P2P) environment. This involves devices with Android 4.0 (Ice Cream Sandwich), which is the lowest version of the Android platform that can be found among mobile devices. Preliminary results has shown that file sharing is possible to work on Zig Bee radios, with the time taken for complete transfer depends on the size of the file being shared. © 2014 IEEE.

Author keywords

Android File Sharing Message broadcasting Peer-to-peer Zigbee

Indexed keywords

Engineering controlled terms: Distributed computer systems Mobile devices Standards Zigbee

- Android
- Android platforms
- File Sharing
- Ice creams
- IEEE 802.15.4 standards
- Message broadcasting
- Mobile peer to peers
- Peer to peer

Engineering main heading: Android (operating system)

Funding details

Funding number	Funding sponsor	Acronym

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