

## عنوان مقاله:

Doppler Shift Estimation for TETRA Cellular Networks

## محل انتشار:

دومین کنفرانس ملی مهندسی برق (سال: 1388)

تعداد صفحات اصل مقاله: 6

## نویسندگان:

Javad Afshar Jahanshahi - *Department of Electrical and Computer Engineering, Shahid Beheshti University, Tehran, Iran*

Seyed Ali Ghorashi

## خلاصه مقاله:

Estimation of mobile terminal speed at base station in cellular networks helps BTS in many aspects including channel estimation, adaptive reception, anti-jamming and handover operations. In this paper, we introduce a new algorithm to estimate the channel Doppler shift seen by BTS, using the measured received signals at base station. We have improved an LCR based Doppler shift estimation algorithm by using only inherent information which are available in common receivers without any excessive hardware. The application of the proposed algorithm in a TETRA network is modeled and simulation results have shown a good performance in a wide range of velocities

## کلمات کلیدی:

,TETRA (Terrestrial Trunked Radio), Doppler shift

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/86858>

