

### عنوان مقاله:

Introducing new algorithms for notch FIR filter hardware complexity reduction in order to eliminate power line interference from ECG signal

### محل انتشار:

پنجمین کنفرانس بین المللی مهندسی برق و کامپیوتر با تاکید بر دانش بومی (سال: 1396)

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### خلاصه مقاله:

In this paper authors focus on introducing new algorithms in order to reduce hardware complexity of notch FIR filter. By using algorithms; in addition to eliminate ECG signal from power line interference (PLI), filter has a better frequency response. simulation results show that realised filter has less amount of hardware volume and better magnitude response

### کلمات کلیدی:

ECG, PSO, PLI noise, FIR filter, filter realising, Hardware complexity reduction

### لینک ثابت مقاله در پایگاه سیویلیکا:

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