

IEEE Transactions on Consumer Electronics

Call for Papers

Special Section on “Human Signal Processing for Health Based Consumer Electronics”

Theme:

This special issue will focus on the development of the novel denoising techniques as well as the novel machine learning based classification and regression methods for the health based consumer electronics. This is not limited to the multirate signal processing based denoising methods, the nonlinear and adaptive signal processing based denoising methods, the deep learning based classification and regression methods, the transfer learning based classification and regression methods, the novel neural network structures and the advanced ensemble decision tree based methods for the health based consumer electronics.

Topics of interest in this Special Section include (but are not limited to):

- Advanced wavelet and filter bank based denoising methods
- Empirical mode decomposition based denoising methods
- Singular spectrum analysis based denoising methods
- Convolutional neural network based classification and regression methods
- Advanced ensemble decision tree based classification and regression methods
- Transfer learning based classification and regression methods

Important dates:

- End of submission of Manuscripts: **November 1, 2022**
- Expected publication date (tentative): May 2023

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Instructions for authors:

Manuscripts should be prepared following guidelines at: <https://ctsoc.ieee.org/publications/ieee-transactions-on-consumer-electronics.html> and must be submitted online following the IEEE Transactions on Consumer Electronics instructions: <https://ctsoc.ieee.org/publications/ieee-transactions-on-consumer-electronics.html>. During submission, the Special Section on “**Human Signal Processing for Health Based Consumer Electronics**” should be selected.