

ACSP · Analog Circuits And Signal Processing

Temesghen Tekeste Habte · Hani Saleh  
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# Ultra Low Power ECG Processing System for IoT Devices

# **Analog Circuits and Signal Processing**

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# Abbreviations

|      |                                       |
|------|---------------------------------------|
| ACLT | Absolute-value Curve Length Transform |
| AHA  | American Heart Association            |
| CAN  | Cardiac Autonomic Neuropathy          |
| CLT  | Curve Length Transform                |
| CPU  | Central Processing Unit               |
| DWT  | Discrete Wavelet Transform            |
| ECG  | Electrocardiogram                     |
| HRV  | Heart Rate Variability                |
| IoT  | Internet of Things                    |
| MMP  | Maximum Modulus Pair                  |
| PAT  | Pan And Tompkins                      |
| SoC  | System on Chip                        |
| SVM  | Support Vector Machine                |
| VA   | Ventricular Arrhythmia                |
| WT   | Wavelet Transform                     |

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