

Heartbeat (computing)

Known as: Heartbeat, Heartbeat protocol

In computer science, a heartbeat is a periodic signal generated by hardware or software to indicate normal operation or to synchronize other parts of a computer system. Usually a heartbeat is sent between machines at a regular interval in the order of seconds. If the endpoint does not receive a heartbeat for a time —usually a few heartbeat intervals—, the machine that should have sent the heartbeat is assumed to have failed. [Collapse](#)



Create Alert

Related topics

[Computer science](#) [Failover](#) [Heartbeat network](#) [Heartbleed](#)
[Expand](#)

Papers overview

Semantic Scholar uses AI to extract papers important to this topic.

Outlier Correction in ECG-Based Human Identification

[V. Khoma](#), [Mariusz Pelc](#), [Yuriy Khoma](#), [D. Sabodashko](#) • IC BCI • 2018 • Corpus ID: 64628952

In this article we have proposed a novel method for ECG signal processing in biometric applications. The main idea is to correct... [Expand](#)

Simulasi Alat Photoplethysmograph (PPG)

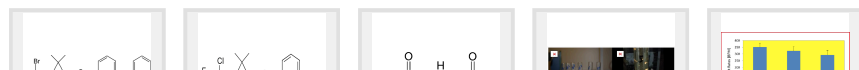
[I. Jaya](#), [Wisma Wisma](#) • 2017 • Corpus ID: 115431154

Heart is a vital organ in the human body. The heart functions circulated the blood throughout the body. The volume of blood in a... [Expand](#)

International Journal of Current Research in

[W. Chung](#), [Jongbin Lee](#) • 2016 • Corpus ID: 212481957

Daphnia magna are common planktonic crustacean of the subclass Phyllopoda that can be found in lakes and ponds all over the... [Expand](#)



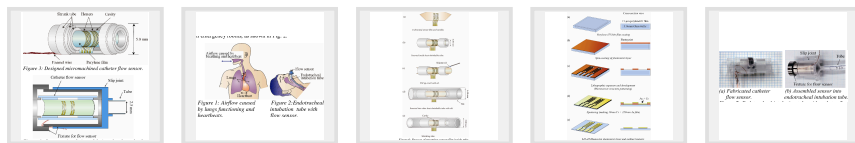
By clicking accept or continuing to use the site, you agree to the terms outlined in our [Privacy Policy](#), [Terms of Service](#), and [Dataset License](#)

ACCEPT & CONTINUE

Detection of both heartbeat and respiration signals from airflow at mouth by using single catheter flow sensor

H. Kawaoka, T. Yamada, M. Matsushima, T. Kawabe, M. Shikida • [International Conference on Solid-State Sensors...](#) • 2015 • Corpus ID: 35113784

We detect both heartbeat and respiration signals from the airflow at the mouth by using a single catheter flow sensor. To the... [Expand](#)



The Big Data Obstacle of Lifelogging

Chelsea Dobbins, M. Merabti, P. Fergus, D. Llewellyn-Jones • [28th International Conference on Advanced...](#) • 2014 • Corpus ID: 15041378

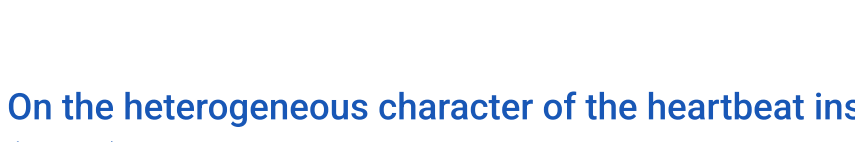
Living in the digital age has resulted in a data rich society where the ability to log every moment of our lives is now possible... [Expand](#)



Robust Heartbeat Detector Based on Weighted Correlation and Multichannel Input: Implementation on the ECG Recorded with Textile Electrodes

Linda Rattfält, M. Lindén, P. Hult, P. Ask, M. Borga • [Int. J. E Health Medical Commun.](#) • 2013 • Corpus ID: 19152243

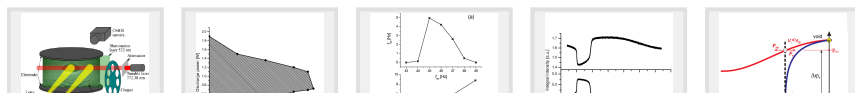
The aim of this study was to develop and evaluate a robust heartbeat detector for noisy electrocardiograms (ECGs) recorded with... [Expand](#)



On the heterogeneous character of the heartbeat instability in complex (dusty) plasmas

M. Pustylnik, A. Ivlev, [+4 authors](#) G. Morfill • 2012 • Corpus ID: 118617683

A hypothesis on the physical mechanism generating the heartbeat instability in complex (dusty) plasmas is presented. It is... [Expand](#)

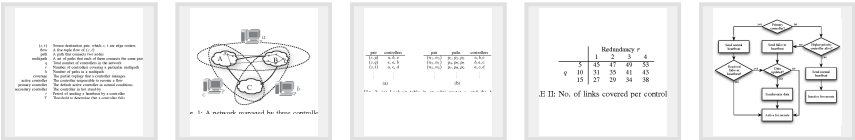


By clicking accept or continuing to use the site, you agree to the terms outlined in our [Privacy Policy](#), [Terms of Service](#), and [Dataset License](#)

Scalability and Resilience in Data Center Networks: Dynamic Flow Reroute as an Example

A. Tam, Kang Xi, H. J. Chao • [Global Communications Conference](#) • 2011 • Corpus ID: 429532

The recent literature on data center networks often propose the use of centralized control server to manage resources or for... [Expand](#)



Of Changes and their History: Some Ideas for Future IDEs

H. Gall • [Working Conference on Reverse Engineering](#) • 2008 • Corpus ID: 1658197

Changes are the heartbeat of a software system. Software has to change to reflect the adapting requirements of business... [Expand](#)

Real-time operation without a real-time operating system for instrument control and data acquisition

R. Klein, A. Poglitsch, +6 authors W. Viehhauser • [SPIE Astronomical Telescopes + Instrumentation](#) • 2004 • Corpus ID: 62630100

We are building the Field-Imaging Far-Infrared Line Spectrometer (FIFI LS) for the US-German airborne observatory SOFIA. The... [Expand](#)

Stay Connected With Semantic Scholar

Your E-mail Address

Sign Up

What Is Semantic Scholar?

Semantic Scholar is a free, AI-

About

[About Us](#)

[Meet the Team](#)

Product

[Product Overview](#)

[Semantic Reader](#)

API

[API Overview](#)

[API Tutorials](#)

By clicking accept or continuing to use the site, you agree to the terms outlined in our [Privacy Policy](#), [Terms of Service](#), and [Dataset License](#)

[Learn More](#)

Research

[Publications](#)

[Researchers](#)

[Research Careers](#)

[Prototypes](#)

[Resources](#)

Help

[FAQ](#)

[Librarians](#)

[Tutorials](#)

[Contact](#)

Proudly built by [Ai2](#)

[Collaborators & Attributions](#) • [Terms of Service](#) • [Privacy Policy](#) • [API License Agreement](#)



By clicking accept or continuing to use the site, you agree to the terms outlined in our [Privacy Policy](#), [Terms of Service](#), and [Dataset License](#)