

Today's artificial intelligence has tremendous capabilities to benefit industries/companies, the need for technical talent and massive infrastructure has made it less attainable for many organizations. The aim of this book is to provide researchers, a platform to introduce their new ideas on how the emerging fields of AIoT (Artificial Intelligence of Things) & Big-Data Analytics can be utilized in healthcare devices, equipment and services under both normal and contingency situations without major disruption in the established medical protocols. It will also discuss the various methods and approaches to use the technologies in pandemic situations such as COVID-19. Further, this book aims at novel methods and computing capabilities to help healthcare systems using computing techniques like AIoT, Machine Learning, and deep learning.

## AIoT & Big-Data Analytics for Smart Healthcare Applications

Book Series: Big Data Analytics

### INDICATIVE THEMES FOR CHAPTERS (NOT LIMITED)

- Introduction about IoT & Big-Data in Healthcare and its Applications,
- Robotics manipulation and analysis in smart health care industries,
- AIoT - Implementation and challenges in Healthcare industries,
- Self-powered AIoT sensors in medical devices and equipment,
- Smart Monitoring, Diagnosis and Predictive Evaluations for e-Healthcare,
- Innovative Services using Big Data Analytics in Smart Healthcare,
- Visualization and Monitoring with Multimedia Technology,
- Security, Privacy of Smart Healthcare Systems: From Industry 4.0's Perspective,
- Intelligent Geographical Information Services (GIS) Services for Patient using Intelligent Devices,
- A Monitoring System for the Recognition of Sleeping Disorders in Patients with Cognitive Impairment Disease,
- Practical use of Semantic Web in Smart Healthcare's services and solutions,
- Health Informatics as a Service (HlaaS) for Developing Countries
- Mobile data analytics: Processing Visual Data by Intelligent and Automated System (IAS),
- Issues and Challenges for Smart Healthcare System (SHS), Intelligent Remote Sensing and Tele-Monitoring Services for AIoT & Big-Data in e-healthcare

Healthcare

AIoT  
Big Data

#### Call for Abstracts

Max. length: About 250 - 500 words

Last date of submission of Abstracts: 15th Aug 2021

How to submit: <https://easychair.org/conferences/?conf=aiotbshc2021>



<https://tinyurl.com/aiotbshc>

#### Important Dates:

- Submit abstract by 15th August 2021
- Acceptance of Abstract by 30th August 2021
- Submit full chapter by 25th Sep 2021.
- Full Chapter acceptance by 20th November 2021
- Final Chapter Due by 15th December 2021

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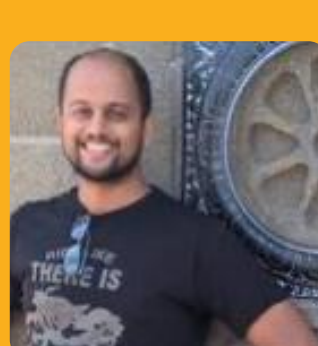
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