

Call for Chapters for the book - **CHAA**:

Contactless Human Activity Analysis

For submission, please visit: <http://ahadVisionLab.com/CHAA.html>

Introduction: In recent years, contactless sensors have gained popularity for contactless physiological signal detection leading to novel innovations in human activity and behavior analysis, authentication, scene analysis, anomaly detection, and many other related tasks. The tremendous advancements in high-performance sensors, as well as the rapid growth in computation power, have made possible to acquire and analyze contactless sensor data for real-time applications. This book provides a comprehensive overview of the past and recent research works associated with different contactless sensors focusing on human activity analysis including recent techniques from the areas of artificial intelligence, deep learning, and Human-Computer Interaction. It also sheds light on advanced application areas and futuristic research topics such as contactless activity analysis in healthcare, activity recognition on smart mobile devices and driver and pedestrian behavior analysis for autonomous driving. It is expected that the systematic analysis of the state-of-the-art techniques covered in this book will help to further our understanding of the current state and future potential of contactless human activity research. **Some accepted papers from the 4th Int. Conf. on Imaging, Vision & Pattern Recognition (IVPR), JP, 2020 will be invited: <http://cennser.org/IVPR>**

Keywords: Human Activity Recognition, Sensor-based Activity Analysis, Contactless Sensors, Wearable Sensors, Healthcare, Deep Learning, Biomedical Signals, Big Data

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Full chapter in 15~25 pages : 20 Dec. 2019

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