



Pattern Recognition Letter

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Special Issue on

Advances in Human Action, Activity and Gesture Recognition (AHAAGR)

<http://ahadVisionLab.com/siPRL20.pdf>



The goal of this Special Issue on *Advances on Human Action, Activity and Gesture Recognition (AHAAGR)* is to gather the most contemporary achievements and breakthroughs in the fields of human action and activity recognition under one cover in order to help the research communities to set future goals in these areas by evaluating the current states and trends. Especially, due to the advancement of computational power and camera/sensor technology, deep learning, there has been a paradigm shift in video-based or sensor-based research in the last few years. Hence, it is of utmost importance to compile the accomplishments and reflect upon them to reach further. This issue is soliciting original & technically-sound research articles with theoretical & practical contributions from the computer vision, machine learning, imaging, robotics, & AI communities.

Topics of interest include (but are not limited to):

- Human action/activities/gesture recognition from video or other relevant sensor data
- Large datasets on action/activity/gesture recognition
- Multi-sensor action/activity/gesture recognition
- Action/activity/gesture recognition from skeleton data, depth map.
- Deep learning and action recognition
- Action localization and detection; Action sequence generation/completion
- Anomaly detection from surveillance videos; Action recognition in Robotics
- Hand gesture recognition for virtual reality and other applications
- Crowd behavior analysis and prediction from video sequences
- Human behavior analysis and recognizing social interactions
- Behavior recognition based on bodily & facial expressions
- Applications and future trends of action/activity/gesture recognition

=====**Submit under "AHAAGR" in June 2020**=====

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Managing Guest Editor: Md Atiqur Rahman Ahad, Ph.D., SMIEEE (Professor, University of Dhaka; Specially Appointed Associate Professor, Osaka University). **Email:** atiqahad@du.ac.bd

Guest Editor: Upal Mahbub, Ph.D. (Senior Engineer, Qualcomm Technologies Inc., San Diego, CA, USA). **E-mail:** umahbub@qti.qualcomm.com; upalmahbub@yahoo.com