



The 10th International Conference on Human System Interaction

17-19 July 2017

Ulsan, Republic of Korea

Special Session on

Vision-based Intelligent Surveillance System: Applications and Algorithms

Organized by

IEEE Industrial Electronics Society Ulsan Chapter of Changwon Section

Prof. Kang-Hyun Jo, University of Ulsan, acejo@ulsan.ac.kr

Image-based surveillance systems are widely employed toward safety and security applications in many fields. Cameras, that are connected over an IP network for monitoring public areas, can produce large quantities of video footage. Surveillance system is used to extract significant information from such video in both online and offline forms, such as the object analysis, activity analysis, or detecting the occurrence of anomalous events that significantly deviates from normal behavior. The aim of this session is to provide an international forum that brings together those actively involved in surveillance system algorithms and their implementations. The goal of the session is to summarize the state-of-the-art, to foresee the future perspective and to exchange ideas and advances in all aspects of surveillance system. Original and unpublished submissions addressing these issues are invited that include but are not limited to, the following topics (but are not limited to):

- Activity recognition;
- Event or anomaly detection in videos;
- Object tracking;
- Motion-based video analysis
- Novel video feature representation and extraction;
- Machine learning algorithm for surveillance system;
- Deep learning algorithm for surveillance system;
- Industrial application specific for surveillance system;
- Dataset and performance evaluation

Manuscript Preparation and Submission:

Authors should be aware that papers will follow the rules for paper submission to HSI'17 conference. Please check carefully the style and policy of HSI'17 described in the guidelines "Information for Authors" on the web site <http://hsi2017.islab-ulsan.net/index.php?pages=initialsubmission>.