

# Preface

Intelligent visual surveillance has emerged as a promising research area in computer vision. Intelligent visual surveillance has wide application perspective, and provides strong support for public security. To promote the adoption of visual surveillance, the previous three editions of the Chinese Conference on Intelligent Visual Surveillance were held in 2002, 2003, and 2011 successfully. In recent years, intelligent visual surveillance has experienced greater advancement. New solutions and techniques are being discovered continually. Furthermore, as more safe cities and smart cities have been constructed, the issues of public security have become much more important. And many surveillance companies are paying more attention to intelligent techniques in visual surveillance systems. In order to strengthen communication, enhance understanding, and improve cooperation between the academic and industrial communities, the 4th Chinese Conference on Intelligent Visual Surveillance (IVS 2016) was held on October 19, 2016.

After the call for papers was announced, we received 45 submissions covering all aspects of visual surveillance. The Technical Program Committee (TPC) assigned each submission to at least three reviewers with experience in the field of the submission. Then, the TPC member made decisions of acceptance/rejection based on the review reports. Through a rigid reviewing process, 19 papers were selected for this conference proceedings volume with an acceptance rate of 42.22%. The papers address the problems in object detection, motion tracking, person re-identification, action recognition, system architecture, and other related topics, and contribute new ideas to research and development of reliable and practical solutions for intelligent visual surveillance.

Finally, we would like to express our gratitude to all the contributors, reviewers, TPC and Organizing Committee members who made this a very successful conference. We also wish to acknowledge the Chinese Association for Artificial Intelligence, the Technical Committee on Computer Vision, China Computer Federation (CCF-CV), Springer, the Center for Research on Intelligent Perception and Computing, and the Institute of Automation for sponsoring this conference.

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