

Guest Editorial Preface

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Miltiadis, Miltos, and Alamaniotis, Purdue University, Lafayette, IN, USA

The current issue is the second part of the special issue of extended invited papers that were presented in the 28th IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2016). This part also contains tools employed for monitoring and surveillance employing techniques from the artificial intelligence realm.

This issue features four outstanding papers. The first paper introduces the use of convolution neural networks for monitoring and detecting diseases in apple trees, a topic of high practical interest to people in informatics application to agriculture. The second paper, introduces a multi-agent approach for surveillance of platoon by several robots with interest to industrial and agricultural cities. Both papers, provide significant applications of AI in areas of global interest. The third paper describes a method for designing keyboard layouts. Human machine interfaces consist of an essential part in surveillance technologies, and therefore efficient keyboards for minimizing the response time of the human operator while detecting an anomaly is crucial. The last paper is a comprehensive review of all the intelligent technologies that have been developed for monitoring people health. The last is a topic of high interest given that monitoring techniques in health may be obtrusive for patients.

It is our great honor to host these cutting-edge papers in this second part of the special issue, and we are extremely thankful to the authors.

Miltiadis “Miltos” Alamaniotis
Guest Editor
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