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Preface

This special issue of CIT journal contains selected extended paper versions of presentations, reported at the International Workshop "Control in Transportation Systems", held in Sofia, 10-11 September 2014. The Workshop has been prepared within the framework of FP7 Capacity Project "Advanced Computing for Innovation" (ACOMIN), Grant Agreement 316087. As part of the dissemination activities of this project, with the purpose to present the research works, being accomplished during the project development, the Workshop has provided the opportunity to discuss presentations, addressing problems, related to the control and exploitation of the transportation systems. The methodological issues in the control of distributed transportation systems, freeways and urban networks, the application of intelligent solutions for identification, real time control and decision making have been considered. The Workshop has combined the ideas of scientists from several countries: France, Hungary, Bosnia, Romania, Germany, Croatia, China and researchers from Universities and Academies in Bulgaria.

The Workshop topics concern the modeling, optimization, control and exploitation of complex systems in the case of transport systems and networks. Some particular topics have also been discussed, regarding the implementation of autonomic functionalities applied in the control and exploitation of transportation systems. The selected papers, included in this special issue of CIT journal will contribute to the developments and problem solutions, connected with the application of optimization and intelligent control policies.

The editor of the present issue hopes that all recent results, obtained by the academic audience of ACOMIN Workshop participants could be used in other various cases and systems, dealing with the problems of optimization and intelligent control.

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