

## Preface

This special issue of the Journal of Cybernetics and Information Technologies (CIT) contains four selected papers that generalize and extend several talks presented at the First National Workshop on Applications of Semantic Technologies in Humanities that was held on 7-8 June 2012 in Sozopol, Bulgaria.

The Workshop was aimed at presenting and discussing ongoing tendencies in semantic technologies, as well as some specifics of their applications in humanities caused by the presence of several factors making difficult the formalization of knowledge in such domains. The Workshop has gathered scientists from Bulgarian Academy of Sciences, Sofia University, American University in Blagoevgrad and from some software development companies – the scientists, who are actively working on research and development of software for intelligence access and effective processing of information objects needed for diverse applications of semantic technologies in different humanitarian domains. From eleven talks presented at the Workshop the Programme Committee has selected six presentations describing investigations carried out within the frame of two research projects funded by the National Science Found – the project D-002-189 SINUS “Semantic Technologies for Web Services and Technology Enhanced Learning” and the project DO-02-292 EVTIMA “Effective Search for Conceptual Templates with Applications in Medical Informatics”. At the next stage some of the selected presentations have been integrated according to the recommendations of the reviewers and formed finally the four papers, printed in this issue. I do hope that the readers will find them stimulating and inspiring further research.

*Gennady Agre,  
Workshop Chairman  
Institute of Information and Communication Technologies – BAS*

