

Krassimir Markov, Vitalii Velychko, Oleksy Voloshin  
(editors)

# **Natural and Artificial Intelligence**

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**Natural and Artificial Intelligence**

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This book is engraved in prof. Zinovy Lvovich Rabinovich memory. He was a great Ukrainian scientist, co-founder of ITHEA International Scientific Society (ITHEA ISS). To do homage to the remarkable world-known scientific leader and teacher this book is published in Russian language and is concerned to some of the main areas of interest of Prof. Rabinovich.

The book is opened by the last paper of Prof. Rabinovich specially written for ITHEA ISS. Further the book maintains articles on actual problems of natural and artificial intelligence, information interaction and corresponded intelligent technologies, expert systems, robotics, classification, business intelligence; etc. In more details, the papers are concerned in: conceptual problems of the natural and artificial intelligent systems: structures and functions of the human memory, ontological models of knowledge representation, knowledge extraction from the natural language texts; network technologies; evolution and perspectives of development of the mechatronics and robotics; visual communication by gestures and movements, psychology of vision and information technologies of computer vision, image processing; object classification using qualitative characteristics; methods for comparing of alternatives and their ranging in the procedures of expert knowledge processing; ecology of programming – a new trend in the software engineering; decision support systems for economics and banking; systems for automated support of disaster risk management; and etc.

It is represented that book articles will be interesting for experts in the field of information technologies as well as for practical users.

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