Krassimir Markov, Vitalii Velychko, Lius Fernando de Mingo Lopez, Juan Casellanos (editors)

New Trends in Information Technologies

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This book maintains articles on actual problems of research and application of information technologies, especially the new approaches, models, algorithms and methods of membrane computing and transition P systems; decision support systems; discrete mathematics; problems of the interdisciplinary knowledge domain including informatics, computer science, control theory, and IT applications; information security; disaster risk assessment, based on heterogeneous information (from satellites and in-situ data, and modelling data); timely and reliable detection, estimation, and forecast of risk factors and, on this basis, on timely elimination of the causes of abnormal situations before failures and other undesirable consequences occur; models of mind, cognizers; computer virtual reality; virtual laboratories for computer-aided design; open social info-educational platforms; multimedia digital libraries and digital collections representing the European cultural and historical heritage; recognition of the similarities in architectures and power profiles of different types of arrays, adaptation of methods developed for one on others and component sharing when several arrays are embedded in the same system and mutually operated.

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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