

CONTAIN

Greeting Letter	vii
Plenary reports	1
<i>Sergey Ablameyko, Sergey Abramov, Vladimir Anishchanka, Nikolay Paramonov, Oleg Tchij. SKIF supercomputers and their applications</i>	3
<i>Larisa Lesko, Galina Zorko, Nataliya Shishkina. About cooperation in the field of information technology and publishing</i>	8
<i>Oleg Vorobyov. Eventological principles and eventological H-theorem.....</i>	13
Section #1. Information and Communication Technologies.....	17
<i>Ismayil Ibragimov, Geray Kengerlinskiy. Conception of state information resources storage of Azerbaijan</i>	19
<i>Ismayil Ibragimov, Geray Kengerlinskiy. Distributed net technology in ACS of water-intake knots of Oguz-Gabala water-pipe</i>	23
<i>Timur Vezirov. Theory and practice of use of information and communication technologies in the pedagogical formation</i>	27
<i>Beibut Kulpeshov. On problem of expressiveness of database queries.....</i>	30
<i>Alexander Vikentiev, Ruslan Vikentiev. Self-descriptiveness and distance on experts' propositions in multi-valued logics and adaptation algorithms</i>	34
<i>Senan Jafarov, Mehriban Mammadova. SCADA management of technological process of dispensing</i>	38
<i>Magomed Surhaev. Formation of a new educational environment by ICT means</i>	42
<i>Zari Dzalilov, Iradj Ouveysi. On the implementation of dynamic reconfiguration in telecommunication networks</i>	44
<i>Zari Dzalilov, Iradj Ouveysi. Challenging issues in dynamic reconfiguration of telecommunication networks</i>	48
<i>Yadigar Imamverdiyev, Lala Karimova, Vugar Musayev, James Wayman. Testing biometric systems against spoofing attacks</i>	52
<i>Bayram Ibrahimov, Shukur Mammadov. Method of calculation of the signaling traffic in network common channel system signaling at lower layer</i>	56
<i>Fargana Abdullayeva, Yadigar Imamverdiyev, Vugar Musayev, James Wayman. Analysis of security vulnerabilities in biometric systems.....</i>	60
<i>Sadegh Derakshandeh, Yadigar Imamverdiyev. Fuzzy majority modelling of information security risks</i>	64
<i>Hamid Zargari Asl. Social network modelling: retrieval correlated graphs by mobile phone's chronological billing files.....</i>	67
<i>Ramiz Shikhaliev, Yadigar Imamverdiyev, Vugar Musayev, James Wayman. Analysis of the biometric systems security evaluation methodologies</i>	71
<i>Rasim Alguliyev, Tahmasib Fataliyev. About necessity of realization of the concept electronic-science.....</i>	75
<i>Amiraslan Aliyev, Aytan Huseynova. On the approaches of increasing the productivity of the corporal net and a criterion of data updating in cash-servers.....</i>	78

<i>Rasim Alguliyev, Rashid Alekberov, Tural Zerbaliyev.</i> Aspects of creation of the super computer center for solution of the complex problems demanding great calculation resources in Azerbaijan	81
<i>Saadat Nazirova.</i> Improvement of anti spam technology with the help of an estimation of reliability of the sender	85
<i>Saadat Nazirova.</i> New anti spam methods	89
<i>Rahila Abdullayeva.</i> Method of the configuration analysis for designing industrial information systems	92
<i>Rauf Fatullayev, Sevinj Mammadova, Abulfat Fatullayev.</i> Statistical analysis of the factors influencing the translation quality of the Dilmanc MT system.....	96
<i>Yedilkhan Amirgaliyev.</i> Methods of modelling information system for pattern recognition and classification.....	100
<i>Yedilkhan Amirgaliyev, Gulzhan Jumatova.</i> Integration of information systems of the enterprises with use of the web-services concept by java technology	104
<i>Yedilkhan Amirgaliyev, Rustam Musabaev.</i> Algorithms of phonemes classification in field of compilative speech synthesis systems realization	108
<i>Rahile Hasanova.</i> Application of page rank algorithm in evaluation of scientific articles....	112
<i>Rabiyat Magomedova.</i> Methodic of the differentiated training organization for the decision of mathematical problems with using ICT	114
<i>Sardar Gasimov, Ibrahim Ibrahimov.</i> Analysis of sentences and words used in Azerbaijani texts	117
<i>Sardar Shabanov.</i> Complex estimating of the scientific activities of the researchers	120
<i>Meherrem Ibrahimov.</i> Improvement of the quality of electronic contacts on the basis of complete and partial group control	122
<i>Timur Vezirov, Shirvani Bakmayev, Telman Vezirov.</i> Technology of learning development and realization of electronic educational-methodical models for the future teachers of mathematics and informatics	125
<i>Shirvani Bakmaev.</i> About the teacher's work of preprofile preparation of pupils.....	127
<i>Dmitry Bagayev, Artem Evsyakov.</i> Portable system control of the educational robotic complex.....	133
<i>Elshad Ismibeyli, Yusif Gaziyev.</i> Analysis of numerical modeling programs of the microwave devices of telecommunication systems	137
<i>Ramiz Aliguliyev.</i> Ranking algorithm and its application for the document summarization .	140
<i>Vasif Nabiyev, Mustafa Ulutaş, Güzin Ulutaş.</i> Estimation of image complexity for steganography and watermarking	144
<i>Sagdi Formanov.</i> Development of autonomous topological navigation of the transportation vehicles	148
<i>Abulfat Fatullayev, Samir Shagavatov.</i> Turkish-Azerbaijani translation module of Dilmanc MT system.....	150
<i>Mais Farkhadov.</i> The architecture of the open server for interactive information and service systems.....	154
<i>Radiy Bilik, Nina Petukhova, Mais Farkhadov.</i> Creation of mathematical models for research of the speech interface	155

Section #2. Intellectual Systems	157
<i>Sergey Ablameyko, Alexander Kryuchkov, Sergey Zolotoy.</i> Technologies for interpretation of remote sensing images and digital maps and their usage for applied tasks	159
<i>Rauf Sadykhov, Igor Frolov, Natallia Pavlyonok.</i> The techniques for creation of face identification systems based on SVM and HMM	163
<i>Rauf Sadykhov, Marina Lukashevich.</i> Texture segmentation of satellite images by neural networks approach	167
<i>Hikmat Hasanov, Tofiq Suleymanov, Elena Gambarova.</i> Investigation of the design and use of artificial neural networks in the classification of remotely sensed images	171
<i>Rahim Mammadov, Timur Aliyev.</i> Maintenance of invariance of recognition of objects to linear changes of their images by the automated manufacture	175
<i>Agil Huseynov.</i> Creation of a knowledge base for search and designing of active Elements of flexible manufacturing systems	179
<i>Kamil Aida-zade, Samir Rustamov.</i> The principles of construction of the Azerbaijan speech recognition system	183
<i>Mehdi Soltani.</i> Basic program of development and application of information technology in educational system of Iran	187
<i>Kamil Aida-zade, Aida Sharifova.</i> Analysis of approaches to text to speech synthesis and their application to Azerbaijani language	191
<i>Svetlana Eyubova, Adalat Pashayev, Elkhan Sabziev, Goshgar Mammadov.</i> On the some problems of information system of the optimization in agriculture.....	195
<i>Zarifa Guliyeva.</i> Methods for translation modeling in the automatic text processing systems	199
<i>Tofiq Kazimov, Shafagat Mahmudova.</i> Information identification system for identifying people by portrait photos	204
<i>Gurban Abdullayev.</i> Application of indistinct sets in FAM boring pipes for the intellectual the robot	208
<i>Sabit Kerimov, Elena Ragimova.</i> Decision of applied tasks with use neural networks	212
<i>Daria Semenova.</i> Eventological formalization of linguistic variable	216
<i>Nigar Aliyeva, Elviz Ismayilov.</i> Fuzzy approach to the structured method of recognition of printed and handwritten symbols.....	220
<i>Vasif Nabihev, Asuman Günay.</i> Towards a biometric purpose image filter according to skin detection	224
<i>Vasif Nabihev, Selda Bayrak, Arda Üstübioğlu.</i> Intelligent communication between hearing disabled people and visual disabled people	228
<i>Vasif Nabihev, Yasemin Bekiroğlu.</i> Evaluation of similarity among human faces	232
<i>Novruz Allahverdi, Humar Kahramanli.</i> Extracting rules from neural networks using artificial immune systems	236
<i>Cemal Köse, Cevat İkibaş.</i> Extraction of coronary vessel structures in low quality X-ray angiogram images	240
<i>Elena Goldenok, Kirill Goldenok.</i> Two eventological asymptotic theorems.....	244
<i>Ogtay Nusratov, Punhan Seyidov, Sevinj Seyidova.</i> Diagnostics of failures of asynchronous electric motors by methods of the position-binary analysis.....	248

<i>Dmitry Bagayev, Pavel Khrustalev.</i> Program complex of the pattern recognition with the help neural networks – MIRANDA MP	252
<i>Uzeyir Gurbanli.</i> Application of analytical methods in risk management.....	256
<i>Irina Baranova.</i> Bipartite set of random events method application in factorial analysis of complex systems	259
<i>Efendi Nasibov.</i> Clustering of bispectral index measurements data by using the fuzzy neighborhood relations.....	263
<i>Samir Rustamov, Aygun Saadova.</i> On an approach to computer synthesis of Azerbaijan speech.....	267
<i>Aghamehdi Mehdialiyyev.</i> On the definition of character of nation on the basis proverbs and sayings with mathematical model	271
<i>Fegan Aliyev, Aghamehdi Mehdialiyyev, Nurmammad Mammadov, Farhad Aliyev.</i> Development of mathematical model of intellectual building in Baku city	275
<i>Rustam Musabaev.</i> Solution of problems of smooth concatenation of speech segments in field of speech synthesis systems realization.....	279
<i>Aristan Dzhusupov, Nikolay Makarenko, Irina Popova, Gulzhanar Yelamanova.</i> Analysis of the modern condition problems of the recognition and classifications of the models algorithm monitoring not enough study deposits.....	283
<i>Nikolay Kartashev.</i> Secure ways of clinical data delivery and presentation to remote specialist: the problem of choice.....	287