

## *Author Index*

Aghababyan, K.	245	Mednikarov, B.	72
Alexiev, K.	101	Minchev, Z.	16
Atreas, N.D.	118, 126	Mnatsakanyan, B.	245
Bakalakov, A.	126	Morant, J.L.	250
Bull, D.R.	187	Niemeyer, K.	25
Canagarajah, C.N.	187	Nikolov, S.G.	187
Chilingaryan, L.	245	Nikolova, I.	101
Dixon, T.D.	187	Noyes, J.	187
Djounova, J.	138	Pérez, J.L.	250
Elyan, E.	215	Polychronidou, P.	126
Gabasov, R.	291	Rademaker, J.G.M.	41
Georgiev, K.	231	Render, H.	144, 179
González, R.M.	250	San José, R.	250
Grudo, J.O.	309	Shalamanov, V.M.	50
Gumnerov, K.	179	Shemaiev, V.M.	62
Hakopian, Ch.	240	Tagarev, T.	72
Kalinin, A.I.	309	Troscianko, T.	187
Karanikas, C.	118, 126	Tsachev, Ts.	324
Kelevedjiev, E.	315	Tsankov, A.	199
Kirov, K.	138	Ugail, H.	215
Kirov, N.	138	Vardanian, T.	267
Kirrilova, F.	291	Velychko, O.F.	62
Kounchev, O.	144, 179	Willems, R.	87
Lewis, J.J.	187	Zlatev, Z.	274
Malerud, S.	3		



## *Subject Index*

3D facial modeling	215	hash function	118
air quality	250	hazards prediction	267
airspace researches	267	HTB	199
anthropogenic disasters	240	hydrometrical observations	245
anthropogenic factors	240	image fusion	187
anticipation	25	IMQ	199
approximation	118, 291	intuitionistic fuzzy sets	16
asymptotic approximation	309	inverted pendulum	291
capability-based planning	72	linear programming	315, 324
CAX	16	Linux	199
classical regulation problems	291	low intensity conflicts	3
comprehensive environmental studies	274	mathematical modeling	267
computer assisted exercises	50	mathematical models	274
computer networks for crisis management	199	maximal flow	245
construct	25	model theory	25
cost-effectiveness	72	modelling	25
crisis management	3, 16, 50	modelling, simulations	16, 50
critical infrastructure	315	modern techniques	240
critical levels	274	multi criteria decision analysis	3
damaging effects	274	multi-methodology framework	3
data and information fusion	101	multi-modality	187
data storage	215	multisensor data processing	101
decision making	187, 274	multi-sensor	187
disaster forecast	240	natural disasters	240
displays	187	network-based operations	72
dynamic evacuation	324	oil spill	3
ecological conditions	240	operational research	3
ecosystem degradation	240	optimal control	309, 324
environmental pollution	274	optimal real-time control	291
exact pattern matching	118	partial differential equations	215
federation of models	50	perception	25
flood provision	245	Quality of Services (QoS)	199
flow-organizing factors	245	regional methods	245
forecasting	250	role of science	240
freshet rain	245	scenario development	16
fundamental function	144	scenario planning	3
future of science	240	scenario-based capability-oriented planning	72
geo-information systems	267	science development	240
geophysical methods	267	security sector integration	72
global warming	240	segmentation	187
graph theory	315	Service Oriented Architecture	50
		significance estimation	101

342

simulation	25	synthesis	291
singular perturbation	309	technogene ecosystem	240
stabilization	291		