Author Index

Arciszewski, T., 179

Beer, M., 247
Bittnar, Z., 227

Charmpis, D.C., 267

Fragiadakis, M., 329
Furuta, H., 127

Gholizadeh, S., 155
Grabska, E., 179

Hajela, P., 1
Harrison, C., 179
Hurtado, J.E., 307

Koh, C.G., 203

Lagaros, N.D., 329
Lepš, M., 227

Marano, G.C., 43
Monti, G., 43

Nakatsu, K., 127
Nomura, Y., 127

Quaranta, G., 43

Sakalkar, V., 1
Salajegheh, E., 155
Sanchez-Silva, M., 283
Šmilauer, V., 227

Thanh, T.N., 203

Vellasco, M.M.B.R., 73
Vellasco, P.C.G. da S., 73

Keyword Index

adaptive neuro-fuzzy inference system, 155

Bayesian networks, 73
block shear, 73

cellular automata, 1, 227
chaos, 127
clustering, 283
computational intelligence, 73
curve fitting, 227

damage detection, 127, 203
design concept, 179
dynamics, 203

elastic properties, 227
entropy, 307
evidence theory, 247
evolutionary algorithms, 227

fragility analysis, 329
functional neuroanatomy, 179
fuzzy logic, 127
fuzzy probabilities, 247
fuzzy randomness, 247

genetic algorithms, 1, 43, 73, 127, 203
graph theory, 283

heat of hydration, 227
hierarchy, 283
hydration model, 227

identification, 43
imprecise probabilities, 247
interval probabilities, 247
inventive design, 179

maintenance planning, 127
mechanical system, 43
micromechanical analysis, 227
Monte Carlo simulation, 307
multi-objective, 267
multi-objective optimization, 227

networks, 283
neural networks, 1, 73, 155, 307, 329
neuro-fuzzy networks, 73
nonlinear dynamic analysis, 329

optimization, 227

parameters estimation, 227
Pareto, 267
particle swarm optimization, 1, 155, 307
patch load, 73
pre-stressed stayed steel columns, 73
progressive collapse, 267

radial basis function, 155
regression, 227
reliability, 267
reliability analysis, 329
restoration schedule, 127
risk analysis, 283
robustness, 267

seismic loading, 155
semi-rigid joints, 73
soft computing, 1
statistical learning, 307
steel and composite design and behaviour, 73
structural control, 127
structural optimization, 267

structural reliability, 307
support vector machines, 307
system identification, 203

uncertainty modeling, 247

visual thinking, 179

wavelet transforms, 155

PUBLICATIONS
mmix