

Author Index

- Biondini, F., 229
Chateauneuf, A., 265
Dlouhý, L., 205
Domaszewski, M., 41
Elenas, A., 17
Frangopol, D.M., 297
Freitag, S., 59
Furuta, H., 117
Graf, W., 59
Kaliske, M., 59
Korvink, J.G., 41
Lagaros, N.D., 1
Lepš, M., 205
Mitropoulou, Ch.Ch., 1
Nakatsu, K., 117
Neves, L.C., 297
Nikolos, I.K., 173
Nomura, Y., 117
Novák, M., 205
Pannier, S., 59
Papachristou, I., 149
Papadrakakis, M., 1
Papalaios, I., 149
Salonikidis, S., 149
Sickert, J.-U., 59
Stavroulakis, G.E., 149
Strohmeier, D., 41
Taflanidis, A.A., 87
Tairidis, G.K., 149

Keyword Index

AdaBoost, 117
adaptive neuro-fuzzy inference, 17, 149
ant colony optimization, 41
artificial neural networks, 17, 173

bridge management, 297

cellular automata, 229
chaos, 117
concrete structures, 229
corrosion, 229
cost, 205

damage classification, 17
damage detection, 117
damage indices, 17
design, 205
design optimization, 173
differential evolution, 173

evolutionary algorithms, 173, 205

fire damage, 229
fragility analysis, 1
frame, 205
fuzzy control, 149
fuzzy ensemble, 117
fuzzy logic, 17

genetic algorithms, 41, 205
grouping policy, 265

health monitoring, 117
hybrid approaches, 59

imprecise probability, 59
incremental dynamic analysis, 1

inspections, 265

lifetime performance, 229

maintenance, 297
maintenance optimization, 265
Markov process, 265, 297
metaheuristics, 1, 41
multi-component systems, 265

natural hazard risk assessment, 87
neural control, 149
neural networks, 1, 59
neuro-fuzzy, 17

optimization, 205

particle swarm optimization, 41
probabilistic degradation, 265
probabilistic sensitivity analysis, 87

reinforced concrete, 205
reliability, 59, 265
response surface approximations, 87

seismic parameters, 17
simulation, 297
smart structures, 149
stochastic simulation, 87
structural analysis, 59
structural control, 149
structural optimization, 41
support vector machines, 17
surrogate modelling, 87, 173

transport processes, 229

uncertainty, 59

updating, 297

vertical statistics, 1



