

# Author Index

- Andersen, T., 83  
Aouad, G., 27  
Arciszewski, T., 161  
  
Bittnar, Z., 211  
Bull, J.W., 235  
  
Chassiakos, A.P., 55  
Cleall, P.J., 459  
  
De Jong, K.A., 161  
  
Faraj, I., 27  
Flood, I., 185  
  
Gluck, J., 387  
  
Kaveh, A., 319  
Kim, J.Y., 261  
Kruis, J., 211  
  
Lavery, D., 407  
Le Houédec, D., 475  
  
Mackie, R.I., 137  
Miles, J.C., 107  
Muscolino, G., 287  
  
Němeček, J., 211  
Nadjai, A., 407  
  
O’Gara, M., 407  
Owen, D.H., 459  
  
Patzák, B., 211  
Pitouras, Z., 235  
  
Ribakov, Y., 387  
Ross, C.T.F., 357  
Rypl, D., 211  
  
Sun, M., 27  
  
Thomas, H.R., 459  
Toll, D.G., 433  
Turk, Z., 1



# Keyword Index

- algebraic graph theory, 319
- amplifying braces, 387
- buckling, 357
- cable structures, 261
- case based reasoning, 107
- civil engineering, 1
- co-evolutionary design, 161
- communication, 1, 55
- communication technology, 1
- complementary Laplacian, 319
- complex adaptive system, 161
- conceptual design, 161
- construction, 1, 27, 55, 83
- cumulant-neglect closure, 287
- cutting pattern, 261
- cycle basis, 319
- cylinders, 357
- dampers, 387
- database, 433
- deflection, 407
- design, 107
- dynamic relaxation method, 261
- earthquake response, 387
- error tolerance, 185
- evolutionary computing, 161
- evolutionary computing, 107
- evolutionary design, 161
- explicit algorithms, 211
- finite element analysis, 137
- finite element method, 235, 459, 475
- fire, 407
- flexible structures, 261
- Fokker-Planck-Kolmogorov
  - differential equation, 287
- functional mapping, 185
- GALLICON, 27
- geoenvironmental, 459
- geotechnical, 433, 459
- graph theory, 319
- greedy algorithm, 319
- ground vibration, 475
- IFC, 27
- implicit algorithms, 211
- information management, 55, 407
- information technology, 1, 433
- integrated construction
  - environments, 27
- integrated design, 161
- integration, 27
- internet, 1, 55
- knowledge engineering, 83
- knowledge-based systems, 107, 433
- Laplacian, 319
- load, 407
- load balancing, 211
- masonry, 407
- membrane structures, 261
- modelling, 459
- morphogenic evolution, 161
- moving loads, 475
- multi-criteria optimization, 161
- network topology, 185
- network training, 185
- neural networks, 185
- nonlinear dynamic systems, 287

- numerical methods, 475
- object-oriented programming, 137
- optimisation, 185, 235, 261
- ordering, 319
- OSCON, 27
  
- parallel computation, 211
- pattern association, 185
- pattern classification, 185
- PC cluster, 211
- project control, 55
- project management, 55
- project management software, 55
- project planning, 55
- project risk management, 83
  
- quasi-moments neglect closure, 287
  
- random vibrations, 287
  
- seismic design, 387
- self-designing structures, 235
- shape finding, 261
- shells, 357
- software decision support, 107
- sparsity, 319
- special finite elements, 475
- stochastic dynamics, 287
- strain, 407
- stress-strain field, 459
- structural analysis, 137
- structural control, 387
- structural dynamics, 387
- submarines, 357
  
- thermal bowing, 407
- topological optimisation, 235
- toroids, 357
  
- vibration, 357
- visualization, 161
  
- walls, 407
- wave propagation, 475
- well conditioned, 319
- well structured, 319

WISPER, 27

world wide web, 1, 433



