

Author Index

- Adeli, H., 1
Aref, A.J., 369
Beale, R.G., 271
Bittnar, Z., 347
Chassiakos, A.P., 79
Damkilde, L., 199
Dargush, G.F., 369
de Barros, R.C., 391
Dolenc, M., 61
Eyheramendy, D., 37
Gattulli, V., 243
Gero, J.S., 25
Hoyos, L.R., 449
Jiang, X., 1
Khoury, G.A., 319
Kwan, A.S.K., 149
Leung, A.Y.T., 301
Lourenço, P., 217
Luo, X., 369
Majorana, C.E., 319
Marti, K., 173
Milani, G., 217
Miles, J.C., 149
Oudin-Dardun, F., 37
Puppala, A.J., 449
Saka, M.P., 105
Salomoni, V.A., 319
Saride, S., 449
Šmilauer, V., 347
Tumay, M.T., 449
Wang, K., 149
Zhang, Y., 149

Keyword Index

- access scaffolds, 271
- ant colony optimization, 105
- autogeneous shrinkage, 347

- bearing capacity, 449
- bi-axial moment buckling, 301
- boundary value problems, 391
- buckling torque, 301

- cable, 243
- calibration chamber, 449
- cavity expansion, 449
- cemented sand, 449
- Chao theory, 1
- chemo-thermo-hydro-mechanical modelling, 319
- code provisions, 391
- collaboration, 61
- combinational optimization, 105
- computer networks, 61
- concrete, 319
- cone penetration testing, 449
- constitutive behaviour, 217
- construction, 79
- constructive memory, 25
- control, 243
- control of vibrations, 391
- coupled multiphysics, 37
- coupling, 319

- data management, 61
- design, 149
- design computing, 25
- deterministic substitute problems, 173
- dynamic neural network, 1
- dynamics, 243

- e-business, 79
- earthquake design, 391
- elastic properties, 347
- evolutionary algorithm, 149
- evolutionary structural optimization, 105
- exact dynamic stiffness, 301

- falsework, 271
- finite element analysis, 199, 391
- first-person knowledge, 25
- fuzzy logic, 1

- genetic algorithm, 1, 105
- geotechnics, 199

- harmony search method, 105
- heat of hydration, 347
- high temperature, 319
- highrise building, 1
- homogenization techniques, 217
- hydration model, 347
- hydro-mechanics, 37

- ICT technologies, 61
- impulse loading, 369
- information and communication technology, 79
- information management systems, 79

- Java, 37

- layered structure, 369
- limit analysis, 217
- limit state analysis, 199
- liquid as degenerated solid, 391
- liquid sloshing, 391
- LITS, 319

- market watch, 61
- masonry, 217
- material optimization, 199
- micromechanical analysis, 347
- mobile computing, 79
- modular scaffolds, 271

- non-linear active control, 1
- non-linear analysis, 271
- non-linear optimization, 199

- object-oriented programming, 37
- optimal plastic design, 173
- optimization, 369

- parametric studies, 391
- plasticity, 449

- quadratic cost functions, 173

- random model parameters, 173
- reinforced concrete, 199
- robust decisions, 173

- scaffold collapses, 271
- scaffolding, 271
- seismic response of tanks, 391
- semi-tangential moments, 301
- situatedness, 25
- state functions, 173
- state-of-the-art, 61
- stay, 243
- stayed-structures, 243
- steel frame, 105
- stochastic nonlinear programming, 173
- stochastic search methods, 105
- structural analysis, 173
- structural health monitoring, 1
- structural optimization, 105
- survival conditions of plasticity theory,
173

- tank shells, 391
- topology, 149
- tube-and-fitting, 271

- vibration mitigation, 243

- virtual reality, 79
- viscoelastic properties, 347

- wave propagation, 369
- wavelet, 1
- web-based project management, 79
- wireless communication, 79

