

Author Index

- Adam, J.M., 399
Ammar, A., 237
Araújo dos Santos, J.V., 299
- Barros, R.C., 363
Bathe, K.J., 1
Bordeu, F., 237
Borna, A., 139
Bradford, M.A., 351
- Calderón, P.A., 399
Carrera, E., 75
Cesar, M.B., 363
Chinesta, F., 237
Cueto, E., 237
- Darvizeh, R., 167
Davey, K., 167
- Eriksson, A., 331
- Garzón-Roca, J., 399
- Habashi, W.G. , 139
- Jia, X., 25
- Kaczmarczyk, L., 193
Kwan, A.S.K., 117
- Leygue, A., 237
Lopes, H., 299
- Magoulès, F., 425
Mang, H.A., 25
Marti, K., 211
McClure, G., 139
- Mousavi Nezhad, M., 193
Muscolino, G., 47
- Pagani, A., 75
Pallarés, F.J., 399
Pearce, C.J., 193
Petrolo, M., 75
Pi, Y.-L., 351
Psarropoulos, P.N., 265
- Sofi, A., 47
- Tsompanakis, Y., 265
- Zappino, E., 75

Keyword Index

- arches, 351
- asynchronous iteration, 425
- axial force, 399

- benchmark solutions, 351
- bending moment, 399
- Bouc-Wen model, 363
- buckling, 351

- cable-stiffened, 117
- civil engineering structures, 75
- component-wise, 75
- composites, 75
- compressible medium, 331
- computational structural stability, 25
- configurational forces, 193
- consistently linearised eigenproblem, 25
- crack path, 193
- creep buckling, 25
- curse of dimensionality, 237

- damage identification, 299
- deployable structures, 117
- discretization of the fixed point condition, 211
- domain decomposition, 425
- dynamic analysis in frequency domain, 47
- dynamic soil-structure interaction, 265

- EC8 provisions, 265
- elasticity, 351
- electromechanics, 1

- finite element, 1, 25, 75, 167, 399
- fluid flows, 1
- fluid-structure interaction, 139

- fracture, 193

- galloping, 139

- H-minimal control, 211
- high dimensional models, 237
- hysteretic behaviour, 363

- ice accretion, 139
- imperfection insensitivity, 25
- improvements of stresses, 1
- inflation, 331
- interface condition, 425
- interval analysis in structural engineering, 47
- isotropic beam, 299

- laminated plate, 299
- large strains, 1
- local site conditions, 265

- magnetorheological damper, 363
- material discontinuities, 167
- Maxwell's equations, 1
- mesh adaptivity, 193
- mesh quality, 193
- model order reduction, 237
- multi-lamellae compression flange of welded I-beams, 25
- multi-physics, 1

- non-linear, 351
- non-physical variables, 167
- numerical simulation, 139
- numerical solution of the two-point boundary value problem, 211

- optimal regulators under stochastic uncertainty, 211
 - uncertain parameters, 47
 - unified formulation, 75
- pantographs, 117
- parallel computing, 425
- parameter dependence, 331
- parametric models, 237
- percentage bending energy of total strain energy, 25
- proper generalised decomposition, 237
- quasi-static equilibrium, 331
- reduction of the boundary value problem to a fixed point condition, 211
- refined beam theories, 75
- reinforced concrete columns, 399
- reinforced concrete hyperbolic cooling tower, 25
- reinforced shell structures, 75
- retaining systems, 265
- Schwarz algorithm, 425
- scissor-like element, 117
- seismic design, 265
- seismic norms, 265
- sensitivity analysis, 25
- shallow wooden hyper shell, 25
- shells, 1
- space membranes, 331
- speckle pattern interferometry, 299
- speckle shearography, 299
- spherical geometry, 25
- static analysis, 47
- steel caging, 399
- stochastic Hamiltonian, 211
- stochastic optimal open-loop control, 211
- stochastic optimal open-loop feedback control, 211
- strengthening, 399
- torispherical pressure vessel head, 25
- transmission lines, 139
- two-point boundary value problem with random parameters, 211



