

# Author Index

Armstrong, C.G., 75  
Atluri, S.N., 167

Benim, A.C., 251  
Bomme, P., 271  
Bowman, D., 25

Crouch, R.S., 121

Dere, Y., 221

Hassan, O., 105

Jimack, P.K., 193

Lamont, J., 75  
Ledger, P.D., 105

McCarthy, T.J., 53  
Meyer, A., 147  
Monaghan, D.J., 75  
Morgan, K., 105

Nikishkov, G.P., 167  
Noor, A.K., 1

Ou, H., 75

Peraire, J., 105  
Price, M.A., 75

Shiratuddin, M.F., 25  
Sotelino, E.D., 221

Thabet, W., 25

Weatherill, N.P., 105

Zimmermann, Th., 271



# Keyword Index

- 3D modeling, 25
- acoustic, 121
- adaptive work, 147
- arbitrary order edge elements, 105
- CAE, 75
- CAVE, 25
- computing paradigms, 1
- computing technology, 1
- concrete, 121
- construction planning, 25
- crack, 167
- design, 25, 53
- dimensional addition, 75
- dimensional reduction, 75
- distributed computing, 221
- domain decomposition, 193, 221
- dynamic, 121
- elastic-plastic, 167
- electromagnetic scattering, 105
- emerging computing paradigms, 1
- ES, 53
- Euler-Euler modelling, 251
- Euler-Lagrange modelling, 251
- expert systems, 53
- far-field, 121
- fatigue crack growth, 167
- feature suppression, 75
- finite element analysis, 221
- finite element method, 167
- finite elements, 147, 271
- fracture mechanics, 167
- future computing environment, 1
- future computing paradigms, 1
- goal orientated adaptivity, 105
- idealisation, 75
- immersive, 25
- intelligent object, 271
- interaction, 121
- interactive, 25
- KBES, 53
- KBS, 53
- knowledge based systems, 53
- load balancing, 221
- NLFEA, 121
- object-oriented programming, 271
- output error bounds, 105
- parallel computing, 193
- parallel processing, 221
- partial differential equations, 193
- preconditioned conjugate gradient, 147
- pulverized coal combustion, 251
- reduced-order approximation, 105
- rule-based expert system, 271
- scientific applications, 271
- SGBEM, 167
- structural steelwork, 53
- structures, 121
- substructuring, 221
- two-phase flow, 251
- virtual environments, 25
- virtual reality, 25
- visualization, 25





