

Keywords index

Al extrusion	175	Metadynamic recrystallization	139
Al-Ti-Fe alloy	131	Metal transfer	191
AM50 alloy	179	Metallic alloys	123, 131, 139, 143
Analysis and modelling	151-171	Methodology of research	147
Applied mechanics	171	Model-based control system	115
Artificial intelligence methods	167	Mold feeding	175
Automation engineering processes	155	Neural networks	147
Autonomous agents	167	Numerical techniques	155, 163, 171
B-Spline	187	NURBS curves	187
Casting	179	Optimization	183
CNC extruder	175	Plastic instability	143
Copper alloy	143	Polar graphs	151
Creep	147	Portevin – Le Chatelier effect	143
Deformation	123	Powder metallurgy	131
Distributed artificial intelligence	167	Process systems design	151
Drilling processes	195	Production processes	195
Driving simulator	207	Properties	139, 143
Dynamic recrystallization	139	QMS	195
Elastic band method	187	Rapid prototyping	155
EMS	195	Recrystallization	123
Engineering design	155	Reduction of vibrations	151
Environmental management	199	Reengineering	195
Environmental management systems	199	Robotics	187
Environmental performances	195	Safety and health management	207
Extrusion	175	Sensing	191
Fuzzy cognitive maps	167	Series of type	159
Genetic programming	115	Side milling	183
Grey-fuzzy logics	183	Solidification	179
High speed camera	191	Steels	147
High-manganese steels	139	Structural numbers	151
Hot rolling	123	Sustainable technological process	199
Hot-working	139	Synthetic oils	195
Image analysis	147	Technological design	159
Industrial management and organisation	195	Technological process	199
Machining	115, 183	Tensile test at elevated temperature	143
Manufacturing and engineering	175	Theory of technological similarity	159
Manufacturing and processing	115, 175-191	Thermal analysis	179
Materials	123, 131	Transportation effect	171
Mechanical alloying	131	Varied section	175
Mechatronics	187	Vibrations	171
		Welding	191