

## Keywords index

Analysis and modelling	43-71	Magnetic force	79
Application	7	Manufacturing and processing	75-87
Applied mechanics	43, 71	Materials	7-31
Aramid	7	Mathematical model	63
Artificial intelligence methods	59	Mechanical properties	15, 19
<b>Beam and piezotransducer</b>	43	Metallic alloys	15, 19
Bed sore	39	Methodology of research	47
Biogas	99	Mini digester	99
Biomaterials	7, 27, 39	<b>Nanomaterials</b>	23
<b>CCT diagrams</b>	19	Non-destructive testing	39
Cemented carbides	35	Numerical techniques	47, 67, 71
Coefficient of restitution	51	<b>Pipe girth welding</b>	83
Cold hobbing	55	Plastic forming	15, 79
Composites	7	Position welding	83
Computational material science and mechanics	47, 51, 71	Powder metallurgy	35
Computer assistance in the engineering tasks and scientific research	47	Properties	35, 39
Corrosion	27	Properties of materials and products	31
Customer's requirements	91	Public transport	63
<b>Database</b>	63	Punctuality	63
Decompression cavity	55	<b>Quality function method (QFD)</b>	91
Die manufacturing	55	Quality management	91, 95
Drawing die	31	Quantitative analysis	15
Dynamical characteristic	43	<b>Rail steels</b>	19
<b>Electro stimulation</b>	27	Reduction	23
Energy plants	99	Rheometer	39
Engineering design	63	Robotized brazing	87
Engineering polymers	7, 31	<b>Silver nanoparticles</b>	23
Examined friction coefficient and temperature	31	Sintering	35
<b>FEM</b>	67	Skin	39
Finite element method	55	Software application	63
Friction coefficient	31	Solar collectors	87
<b>Galerkin's method</b>	43	Solidification	59
Gas-assisted	79	Silicone	7
GMA brazing	87	Submicron-scaleimprint	79
Groove-rolling	67	<b>Technological devices and equipment</b>	7, 99
<b>Heat treatment</b>	75	Thermovision	87
Hydrometallurgy	23	Ti6Al4V ELI alloy	27
<b>Impact energy</b>	51	Tool materials	35, 75
In vivo	39	Transportation effect	71
Industrial management and organisation	91, 95	<b>Union bone</b>	27
Inverse Stefan problems	59	<b>Viscoelasticity</b>	39
<b>Laser</b>	75	<b>Wear resistance</b>	75
Laser-arc hybrid welding	83	Welding	83