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*List of keywords*

**A. Material:**

- Adhesive joints
- Alloys
- Amorphous materials
- Aramid fibre
- Carbon fibres
- Carbon nanotubes
- Coating
- Coupling agents
- Fabrics/textiles
- Fibres
- Flexible composites
- Functional composites
- Glass fibres
- Glasses
- Hybrid composites
- Intermetallics
- Laminate
- Layered structures
- Metal-matrix composites (MMCs)
- Metals
- Nanoclays
- Nano composites
- Nano particles
- Oxides
- Particle-reinforced composites
- Polymer-matrix composites (PMCs)
- Polymers
- Preceramic polymer
- Recycling
- Sandwich
- Structural composites
- Short-fibre composites
- Smart materials
- Textile composites
- Wood

**B. Property:**

- Corrosion
- Creep
- Curing
- Debonding
- Defects
- Delamination
- Durability
- Electrical properties
- Embrittlement
- Environmental Degradation
Fatigue
Fibre/matrix bond
Fracture
Fracture toughness
Fragmentation
Friction/wear
High-temperature properties
Hygrothermal effect
Impact behaviour
Interface
Interfacial strength
Interphase
Magnetic properties
Matrix cracking
Mechanical properties
Non-linear behaviour
Plastic deformation
Porosity/Voids
Strength
Stress/strain curves
Surface treatments
Synergism
Thermal properties
Thermomechanical properties
Transport properties
Vibration

C. Analysis:

Anelasticity
Anisotropy
Buckling
Complex moduli
Computational mechanics
Crack
Damage mechanics
Damage tolerance
Deformation
Elastic properties
Failure criterion
Fibre bridging
Finite element analysis (FEA)
Laminate theory
Modelling
Multiscale modeling
Notch
Plate theory
Probabilistic methods
Residual stress
Sandwich structures
Shell theory
Statistics
Stress concentrations
Stress relaxation
Stress transfer
Transverse cracking

D. Testing:

Acoustic emission
Atomic force microscopy (AFM)
Differential scanning calorimetry (DSC)
Dynamic mechanical thermal analysis (DMTA)
Electron energy loss spectroscopy (EELS)
Electron microprobe analysis
Fractography
Hardness testing
Infrared (IR) spectroscopy
Life prediction
Moiré techniques
Non-destructive testing
Optical microscopy
Photoelectron spectroscopy (XPS)
Raman spectroscopy
Rheology
Scanning electron microscopy (SEM)
Scanning/transmission electron microscopy (STEM)
Secondary ion mass spectrometry (SIMS)
Thermogravimetric analysis (TGA)
Transmission electron microscopy (TEM)
Ultrasonics
X-ray diffraction (XRD)
X-ray fluorescence (XRF)

E. Processing:

Annealing
Braiding
Casting
Chemical vapour deposition (CVD)
Chemical vapour infiltration (CVI)
Directional solidification
Electro-spinning
Extrusion
Filament winding
Heat treatment
Injection moulding
Ion implantation
Ion plating
Isostatic pressing
Knitting
Liquid metal infiltration (LMI)
Melt-spinning
Microwave processing
Physical vapour deposition
Plasma deposition
Plasma spraying
Powder processing
Pultrusion
Resin transfer moulding (RTM)
Sintering
Slip casting
Sol-gel methods
Welding/joining