

## 2026 Inspec Thesaurus and Classification Code Changes

### ***About Thesaurus and Classification Codes***

The Inspec Thesaurus and Classification scheme are valuable search tools to help you refine your search results.

The Thesaurus contains over 10200 Index Terms and is a terminology based subject index. The Index Terms are themselves interrelated to allow you either to find the most exact term(s) to add to your search or to broaden out your search with additional terms.

The Inspec Classification is a subject categorisation scheme containing over 3700 Classification Codes. These codes can be used to specify a subject area without needing to specify all the sub-concepts that might be used to define it, and to restrict the results of Index Term searches which may cross subject areas.

### ***About Revisions***

Inspec regularly assesses and updates these taxonomies in line with advances in scientific and technological terminology and changes in the focus of research.

New Classification Codes may be added to allow access to formerly hard to access concepts and codes may be amended to reflect changes in terminology or to make explicit indexing practice. For 2026, 15 new codes are being added and no codes are being retired.

Similarly new Index Terms may be introduced to allow new concepts to be specified, to subdivide growing research areas, or to match changes in the terminology of the material being indexed. 47 new Index Terms are being introduced for 2026. In addition, 113 concepts are being added which are synonyms, or explain, and lead to the Index Terms to use for those concepts. There are also a number of corrections and additions to the inter-term and code-term relationships. There are no Index Terms being retired.

The improved Thesaurus and Classification tools containing all these changes will be available in January in time for the first update of 2026.

### ***Changes for 2026***

If your Saved Search (or Alert) contains Full Terms or Classification Codes from the following lists, you may wish to consider the related new concepts for addition into your strategy.

#### List of New Classification Codes linked to Pre-2026 Practice

Pre 2026 Code	New Code	New Code Text
A4320	A4338	Acoustic metamaterials
A4335	A4338	Acoustic metamaterials
A4385	A4387	Acoustic filters
A6180	A6180A	Microwave effects
A7960E	A7960F	Photoelectron spectra of organic materials
A8140G	A8140F	Annealing processes
A8160	A8160L	Surface treatment and degradation of graphene and related materials
A9580S	A9580T	Gravitational wave observations

B0240Z	B0240B	Bayes methods
C1140Z	C1140B	Bayes methods
C6264G	C6215	Generative AI
C6264G	C6215L	Large language models
C6264T	C6215L	Large language models
C7820N	C6215L	Large language models
C6260	C6266T	Transfer learning
C7490	C7455	Railway engineering computing
E1525	E1525B	Biochemistry (industrial)
E1525	E1525R	Specific chemical reactions (inc. oxidation, reduction, redox reactions & pyrolysis)

List of New Index Terms Linked to Pre-2026 Terms

Pre 2026 Index term	Relationship	New 2026 Index term
laser ablation	BroaderTerm	ablation
melting	Related term	ablation
surface treatment	Narrow Term	ablation
vaporisation	Related term	ablation
acoustic metamaterials	Narrow Term	acoustic metasurfaces
acoustic resonance	Related term	acoustic metasurfaces
acoustic wave reflection	Related term	acoustic metasurfaces
acoustic wave refraction	Related term	acoustic metasurfaces
acoustic transducers	Related term	acoustic sensors
bulk acoustic wave devices	Related term	acoustic sensors
sensors	Narrow Term	acoustic sensors
surface acoustic wave sensors	BroaderTerm	acoustic sensors
surface acoustic wave transducers	Related term	acoustic sensors
ultrasonic transducers	Related term	acoustic sensors
CAD/CAM	Narrow Term	additive manufacturing
computer aided engineering	Related term	additive manufacturing
computer integrated manufacturing	Related term	additive manufacturing
design for manufacture	Related term	additive manufacturing
industrial control	Related term	additive manufacturing
laser sintering	Related term	additive manufacturing
layered manufacturing	Related term	additive manufacturing
production engineering computing	Related term	additive manufacturing
rapid prototyping (industrial)	BroaderTerm	additive manufacturing
stereolithography	Related term	additive manufacturing
three-dimensional printing	BroaderTerm	additive manufacturing
artificial intelligence	Narrow Term	AI ethics
computer crime	Related term	AI ethics
data privacy	Related term	AI ethics
data science	Related term	AI ethics
decision making	Related term	AI ethics
decision support systems	Related term	AI ethics
DP industry	Related term	AI ethics

DP management	Related term	AI ethics
educational administrative data processing	Related term	AI ethics
explainable AI	Related term	AI ethics
gender issues	Related term	AI ethics
generative AI	Related term	AI ethics
government policies	Related term	AI ethics
health care	Related term	AI ethics
human factors	Related term	AI ethics
intelligent robots	Related term	AI ethics
law	Related term	AI ethics
law administration	Related term	AI ethics
medical computing	Related term	AI ethics
military computing	Related term	AI ethics
philosophical aspects	Related term	AI ethics
prejudicial factors	Related term	AI ethics
public safety	Related term	AI ethics
recruitment	Related term	AI ethics
trusted computing	Related term	AI ethics
organic compounds	Narrow Term	amino acids
proteins	Related term	amino acids
battery charge measurement	Related term	aqueous batteries
battery chargers	Related term	aqueous batteries
battery management systems	Related term	aqueous batteries
battery storage plants	Related term	aqueous batteries
battery testers	Related term	aqueous batteries
electrochemical electrodes	Related term	aqueous batteries
electrolytes	Related term	aqueous batteries
fuel cells	Related term	aqueous batteries
hybrid power systems	Related term	aqueous batteries
secondary cells	Narrow Term	aqueous batteries
sodium compounds	Related term	aqueous batteries
zinc compounds	Related term	aqueous batteries
materials testing	Related term	ASTM standards
product quality	Related term	ASTM standards
production testing	Related term	ASTM standards
safety	Related term	ASTM standards
standards	Narrow Term	ASTM standards
carbon	Narrow Term	carbon dots
fluorescence	Related term	carbon dots
nanodots	Related term	carbon dots
nanomedicine	Related term	carbon dots
quantum dots	Narrow Term	carbon dots
partial differential equations	Narrow Term	Cauchy problem
bio-optics	Related term	chromophores
colour	Related term	chromophores
molecular biophysics	Related term	chromophores
optical materials	Related term	chromophores
optical properties	Related term	chromophores

amperometric sensors	Related term	chronoamperometry (chemical analysis)
electrochemical analysis	Narrow Term	chronoamperometry (chemical analysis)
electrochemical electrodes	Related term	chronoamperometry (chemical analysis)
presses	Related term	cold pressing
pressing	Narrow Term	cold pressing
thin films	Narrow Term	composite thin films
agricultural engineering	Related term	compost
agricultural pollution	Related term	compost
agricultural products	Related term	compost
agriculture	Narrow Term	compost
agrochemicals	Related term	compost
biochar	Related term	compost
fertilisers	Related term	compost
gardening	Related term	compost
horticulture	Related term	compost
organic compounds	Related term	compost
organic farming	Related term	compost
recycling	Related term	compost
soil	Related term	compost
soil moisture	Related term	compost
deformation	Related term	compressive stress
mechanical properties	Narrow Term	compressive stress
handicapped aids	Narrow Term	computer accessibility
human computer interaction	Related term	computer accessibility
human factors	Related term	computer accessibility
medical disorders	Related term	computer accessibility
social aspects of automation	Related term	computer accessibility
user interfaces	Related term	computer accessibility
computer crime	Related term	computer ethics
data privacy	Related term	computer ethics
decision making	Related term	computer ethics
decision support systems	Related term	computer ethics
DP industry	Related term	computer ethics
DP management	Related term	computer ethics
ethical aspects	Narrow Term	computer ethics
gender issues	Related term	computer ethics
government policies	Related term	computer ethics
human factors	Related term	computer ethics
law	Related term	computer ethics
legislation	Related term	computer ethics
philosophical aspects	Related term	computer ethics
prejudicial factors	Related term	computer ethics
public safety	Related term	computer ethics
social aspects of automation	Narrow Term	computer ethics
trusted computing	Related term	computer ethics
data augmentation	Narrow Term	contrastive learning
data handling	Related term	contrastive learning

deep learning (artificial intelligence)	Related term	contrastive learning
feature extraction	Related term	contrastive learning
image classification	Related term	contrastive learning
image representation	Related term	contrastive learning
pattern classification	Related term	contrastive learning
representation learning	Related term	contrastive learning
access control	Related term	criminal activity
closed circuit television	Related term	criminal activity
computer crime	BroaderTerm	criminal activity
counterfeit goods	BroaderTerm	criminal activity
criminal law	BroaderTerm	criminal activity
explosives	Related term	criminal activity
forensic science	Related term	criminal activity
fraud	BroaderTerm	criminal activity
government policies	Related term	criminal activity
industrial property	Related term	criminal activity
law	Related term	criminal activity
law administration	Related term	criminal activity
legislation	Related term	criminal activity
national security	Related term	criminal activity
police	Related term	criminal activity
police data processing	Related term	criminal activity
public administration	Related term	criminal activity
public safety	Related term	criminal activity
smart cities	Related term	criminal activity
social sciences	Narrow Term	criminal activity
socio-economic effects	Related term	criminal activity
surveillance	Related term	criminal activity
terrorism	BroaderTerm	criminal activity
video surveillance	Related term	criminal activity
weapons	Related term	criminal activity
light scattering	Narrow Term	dynamic light scattering
particle size	Related term	dynamic light scattering
photon correlation spectroscopy	Related term	dynamic light scattering
suspensions	Related term	dynamic light scattering
turbidity	Related term	dynamic light scattering
evaporation	Narrow Term	evapotranspiration (hydrological)
hydrological techniques	Related term	evapotranspiration (hydrological)
hydrology	Related term	evapotranspiration (hydrological)
transpiration	Narrow Term	evapotranspiration (hydrological)
ball milling	Related term	exfoliation (materials)
delamination	Related term	exfoliation (materials)
graphene	Related term	exfoliation (materials)
nanocomposites	Related term	exfoliation (materials)
nanofabrication	Related term	exfoliation (materials)
surface phenomena	Related term	exfoliation (materials)
surface treatment	Narrow Term	exfoliation (materials)
choppers (circuits)	Related term	flyback convertors
DC-DC power convertors	Related term	flyback convertors

power conversion	Related term	flyback convertors
power convertors	Narrow Term	flyback convertors
power electronics	Related term	flyback convertors
power supplies to apparatus	Related term	flyback convertors
power supply circuits	Related term	flyback convertors
zero current switching	Related term	flyback convertors
zero voltage switching	Related term	flyback convertors
alloys	Narrow Term	high-entropy alloys
metals	Related term	high-entropy alloys
compressibility	Related term	incompressible flow
compressible flow	Related term	incompressible flow
flow	Narrow Term	incompressible flow
radiation effects	Narrow Term	infrared radiation effects
decision trees	Related term	k-nearest neighbour methods
feature extraction	Related term	k-nearest neighbour methods
image classification	Related term	k-nearest neighbour methods
nearest neighbour methods	Narrow Term	k-nearest neighbour methods
pattern classification	Related term	k-nearest neighbour methods
regression analysis	Related term	k-nearest neighbour methods
supervised learning	Narrow Term	k-nearest neighbour methods
aerodynamics	Related term	laminar boundary layers
boundary layers	Narrow Term	laminar boundary layers
laminar flow	Narrow Term	laminar boundary layers
adsorbed layers	Related term	Langmuir adsorption
adsorption	Narrow Term	Langmuir adsorption
heat of adsorption	Related term	Langmuir adsorption
biofuel	Related term	lignin
biotechnology	Related term	lignin
carbon fibres	Related term	lignin
cellulose	Related term	lignin
polymers	Narrow Term	lignin
renewable materials	Related term	lignin
convolutional neural nets	Related term	long short-term memory networks
deep learning (artificial intelligence)	Related term	long short-term memory networks
feature extraction	Related term	long short-term memory networks
object detection	Related term	long short-term memory networks
recurrent neural nets	Narrow Term	long short-term memory networks
time series	Related term	long short-term memory networks
magnetic structure	Related term	magnetic entropy
magnetocaloric effects	Related term	magnetic entropy
boats	Related term	marine traffic
marine navigation	Related term	marine traffic
marine vehicles	Related term	marine traffic
ships	Related term	marine traffic
traffic	Narrow Term	marine traffic
traffic control	Related term	marine traffic
traffic engineering computing	Related term	marine traffic
underwater vehicles	Related term	marine traffic
martensitic steel	Narrow Term	martensitic stainless steel

martensitic structure	Related term	martensitic stainless steel
stainless steel	Narrow Term	martensitic stainless steel
biomedical materials	Related term	microspheres
colloids	Related term	microspheres
drug delivery systems	Related term	microspheres
microcavities	Related term	microspheres
optical materials	Related term	microspheres
optical resonators	Related term	microspheres
biochemistry	Related term	nutrition
catering industry	Related term	nutrition
developing countries	Related term	nutrition
food manufacturing	Related term	nutrition
food packaging	Related term	nutrition
food processing industry	Related term	nutrition
food products	Related term	nutrition
food security	Related term	nutrition
health care	Narrow Term	nutrition
home computing	Related term	nutrition
labelling (packaging)	Related term	nutrition
mobile computing	Related term	nutrition
organic compounds	Related term	nutrition
patient care	Related term	nutrition
proteins	Related term	nutrition
socio-economic effects	Related term	nutrition
sugar	Related term	nutrition
corrosion resistance	Related term	oxidation resistance
oxidation	Narrow Term	oxidation resistance
passivation	Related term	oxidation resistance
elemental semiconductors	Related term	phosphorene
nanostructured materials	Related term	phosphorene
phosphorus	Narrow Term	phosphorene
electrodeposition	Narrow Term	plasma electrolytic oxidation
oxidation	Narrow Term	plasma electrolytic oxidation
plasma deposition	Narrow Term	plasma electrolytic oxidation
biosensors	Related term	quantum sensors
magnetic sensors	Related term	quantum sensors
optical sensors	Related term	quantum sensors
quantum entanglement	Related term	quantum sensors
quantum optics	Related term	quantum sensors
quantum theory	Related term	quantum sensors
sensors	Narrow Term	quantum sensors
engineering computing	Narrow Term	railway engineering computing
mechanical engineering computing	Related term	railway engineering computing
public transport	Related term	railway engineering computing
rail traffic	Related term	railway engineering computing
rail traffic control	Related term	railway engineering computing
railway engineering	Narrow Term	railway engineering computing
railway industry	Related term	railway engineering computing
railway safety	Related term	railway engineering computing
railways	Related term	railway engineering computing

traffic engineering computing	Related term	railway engineering computing
vehicle dynamics	Related term	railway engineering computing
metals	Narrow Term	refractory metals
molybdenum	BroaderTerm	refractory metals
niobium	BroaderTerm	refractory metals
rhenium	BroaderTerm	refractory metals
tantalum	BroaderTerm	refractory metals
tungsten	BroaderTerm	refractory metals
copyright	Related term	research paper mills
ethical aspects	Related term	research paper mills
fraud	Related term	research paper mills
information industry	Related term	research paper mills
legislation	Related term	research paper mills
professional aspects	Related term	research paper mills
publishing	Narrow Term	research paper mills
research and development	Related term	research paper mills
food processing industry	Related term	roasting (materials processing)
materials preparation	Narrow Term	roasting (materials processing)
mineral processing	Related term	roasting (materials processing)
sintering	Related term	roasting (materials processing)
waste recovery	Related term	roasting (materials processing)
design for manufacture	Related term	screen printing (electronics)
digital printing	Related term	screen printing (electronics)
electron device manufacture	Narrow Term	screen printing (electronics)
electronic equipment manufacture	Related term	screen printing (electronics)
electronics industry	Related term	screen printing (electronics)
flexible electronics	Related term	screen printing (electronics)
ink jet printing	Related term	screen printing (electronics)
integrated circuit technology	Related term	screen printing (electronics)
printed circuit manufacture	Related term	screen printing (electronics)
printed circuits	Related term	screen printing (electronics)
semiconductor industry	Related term	screen printing (electronics)
thick film devices	Related term	screen printing (electronics)
feature extraction	Related term	self-supervised learning
image classification	Related term	self-supervised learning
neural nets	Related term	self-supervised learning
pattern classification	Related term	self-supervised learning
supervised learning	Narrow Term	self-supervised learning
unsupervised learning	Narrow Term	self-supervised learning
acoustic impedance	Related term	sound pressure
acoustic intensity	Related term	sound pressure
acoustics	Narrow Term	sound pressure
hydrophones	Related term	sound pressure
microphones	Related term	sound pressure
deep learning (artificial intelligence)	Related term	spiking neural networks
neural chips	Related term	spiking neural networks
neural nets	Narrow Term	spiking neural networks
neuromorphic engineering	Related term	spiking neural networks

radiocommunication	Narrow Term	submillimetre wave communication
submillimetre wave propagation	Related term	submillimetre wave communication
optical metamaterials	Related term	terahertz metasurfaces
terahertz metamaterials	Narrow Term	terahertz metasurfaces
semiconductor heterojunctions	Narrow Term	van der Waals heterostructures
semiconductor quantum dots	Related term	van der Waals heterostructures
semiconductor quantum wells	Related term	van der Waals heterostructures
semiconductor quantum wires	Related term	van der Waals heterostructures
two-dimensional electron gas	Related term	van der Waals heterostructures
computer vision	Related term	YOLO algorithms
convolutional neural nets	Narrow Term	YOLO algorithms
deep learning (artificial intelligence)	Related term	YOLO algorithms
feature extraction	Related term	YOLO algorithms
image classification	Related term	YOLO algorithms
image segmentation	Related term	YOLO algorithms
object detection	Narrow Term	YOLO algorithms

\*\*\*\* End of Document \*\*\*\*